

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
1-2		B. Cotcamp		K. Greenfield		6834		XUG		17	1				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
GEORGIA		ALTAHAMA - 7 1/2'		G.A.		Tatnall					W. Cassidy				
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
K.										69.0	K				y-Intercept - Elevat. 69.0 (SEALED) y-697.600 x-495.330
	214		47° 11' 19"	-2.3	3.1	-		+3.1	72.1		BS	-152	-151		
	214				+2.0	BH	+1.1	+3.1			BS				
K	0				5.1	T		-5.1		67.0	K	0	0	697,448	495,179
TP	547		196° 38' 32"	-	3.8	-		-3.8		68.3	TP	-530	-136	696,918	495,043
TP	547				6.5	TH	+2.7	-3.8			TP				
	171		2° 15' 27"	-2.3	5.6	-		+5.6	73.9		BS	-171	±0		
	171				+4.7	BH	+0.9	+5.6			BS				
K	0				5.1	-		-5.1		68.8	K	0	0	696,747	495,043
TP	351		190° 48' 07"	-	6.9	-		-6.9		67.0	TP	-347	-52	696,400	494,991
TP	351				5.1	BH	-1.8	-6.9			TP				
	411		16° 05' 25"	-2.3	9.9	89° 20'	-4.8	+5.1			BS	-399	-98		
	411				+11.1	89° 10'	-6.0	+5.1	72.1		BS				
K	0				5.1	-		-5.1		67.0	K	0	0	696,001	494,893
1	347		210° 05'	-	5.2	-		-5.2		66.9		-307	-162	695,694	494,731
2	27		172° 30'	-	5.7	-		-5.7		66.4		-27	+5	695,974	494,898
3	305		23° 05'	-	5.1	-		-5.1		67.0		+285	+108	696,286	495,001
TP	382		18° 07' 26"	-	5.0	-		-5.0		67.1	TP	+368	+104	696,369	494,997
TP	382				6.9	TH	+1.9	-5.0			TP				
	354		188° 20' 40"	-2.3	6.2	-		+6.2	73.3		BS	+352	+37		
	354				6.1	270°		+6.1			BS				

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-22-85		B. Cotcamp		K. Greenfield		6834		KWB		17		2			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		ALTA MAMA - 7 1/2'		G.A.		TALLAH								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									73.3						
4	108		192° 30'	-2.3	6.0	-		-6.0		67.3		-106	-19	696,615	495,015
TP	0				5.1	-		-5.1		68.2	TP	0	0	696,721	495,034
5	217		6° 15' 15"	--	4.5	-		-4.5		68.8	TP	+216	+15	696,937	495,049
5	217				5.6	TH	+1.1	-4.5			TP				
	520		197° 06' 36"	-2.3	+3.8	-		+3.8			BS	+503	+133		
	520				+6.4	TH	-2.6	+3.8	72.6		BS				
6	191		198° 00'	--	5.2	--		-5.2		67.4		-184	-52	697,256	495,130
TP	0				5.1	-		-5.1		67.5	TP	0	0	697,440	495,182
7	142		46° 00'	-2.3	4.3	TH	+0.7	-3.6		69.0		+103	+98	697,543	495,280
11	212		45° 52' 35"	--	3.6	-		-3.6		69.0	di	+154	+146	697,594	495,328
8	471		43° 59' 37"	--	6.4	89° 50'	+1.4	-5.0		67.6	TP	+352	+313	697,792	495,495
8	471				6.5	270° 10'	+1.4	-5.1			TP				
	234		210° 29' 16"	-2.3	+5.8	-		+5.8			BS	+206	+111		
	234				+4.6	BH	+1.2	+5.8	73.4		BS				
TP	0				5.1	-		-5.1		68.3	TP	0	0	697,998	495,606
9	96		40° 30'	--	5.2	TH	+0.5	-4.7		68.7		+75	+59	698,073	495,665
10	426		37° -	--	6.3	TH	+2.1	-4.2		69.2		+350	+243	698,348	495,849
TP	461		35° 22' 04"	--	3.8	-		-3.8		69.6	TP	+386	+252	698,384	495,850
TP	461				6.1	TH	+2.3	-3.8			TP				

Y=697,600 X=495,350  
11 y-Inter. EL. 690

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GEO-445

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
1-22-85		B Cotamp		K. Greenfield		6834		KUB		17	3			
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER			
GEORGIA		ALTAMAHA - 7 1/2'		G.A.		TATNAL					W. Cassidy			
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
	291		192° 42' 17"	-2.3	+4.4	-		+4.4	74.0		BS	+286	+53	
	291				+5.8	TH	-1.5	+4.3			BS			
11	0				5.1	-		-5.1	68.9		X	0	0	698,690 495,911 across sta.
12	328		1° 55'	..	5.5	TH	+1.6	-3.9	70.1			+328	-2	698,998 495,909
TP	332		1° 57' 48"	..	3.7	-		-3.7	70.3		TP	+332	-2	699,002 495,909
TP	332				5.4	TH	+1.7	-3.7			TP			
	272		193° 51' 49"	-2.3	+7.4	-		+7.4	77.7		BS	+266	+55	
	272				+8.8	TH	-1.4	+7.4			BS			
X	0				5.1	-		-5.1	72.6		X	0	0	699,268 495,964
13	50		347° 00'	..	4.4	-		-4.4	73.3			+48	-13	699,316 495,951
14	379		340° 20'	..	5.3	TH	+1.9	-3.4	74.3			+351	-142	699,619 495,822
TP	576		340° 49' 16"	..	3.7	-		-3.7	74.0		TP	+536	-211	699,804 495,753
TP	576				6.5	TH	+2.9	-3.6			TP			
	461		174° 29' 31"	-2.3	+6.4	-		+6.4			BS	+457	-63	
	461				+4.1	BH	+2.3	+6.4	80.4		BS			
15	329		171° 40'	..	6.2	-		-6.2	74.2			-323	+61	699,938 495,951
16	0				5.1	-		-5.1	75.3		X	0	0	700,261 495,690
17	328		344° 05'	..	5.7	-		-5.7	74.7			+312	-103	700,573 495,587
TP	477		345° 06' 51"	..	4.9	-		-4.9	75.5		TP	+456	-141	700,717 495,549
TP	477				2.5	BH	-2.4	-4.9			TP			

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1-22-85		B. Cotcamp		K. Greenfield		6834		KWB		17		4			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		ALTAMAHA - 7 1/2'		G.A.		TATNALL								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
	362		190° 06' 47"	-2.3	+5.2	-		+5.2	80.7		BS	+359	+49		
	362				+3.4	BH	+1.8	+5.2			BS				
18	182		185° 05'	--	5.7	-		-5.7		75.0		-182	-9	700,894 495,589	
π	0				5.1	-		-5.1		75.6	π	0	0	701,076 495,598	
19	150		333° 00'	-2.3	4.9	-		-4.9		75.8		+131	-73	701,207 495,525	
20	478		327° 20'	--	4.8	-		-4.8		75.9		+392	-274	701,468 495,324	
TP	501		327° 25' 57"	--	5.1	-		-5.1		75.6	TP	+411	-286	701,487 495,312	
TP	501				2.6	BH	-2.5	-5.1			TP				
	453		172° 15' 33"	-2.3	+6.6	-		+6.6	82.2		BS	+446	-79		
	453				+6.5	270°		+6.5			BS				
21	146		171° 20'	--	5.9	-		-5.9		76.3		-143	+28	701,790 495,261	
π	0				5.1	-		-5.1		77.1	π	0	0	701,933 495,233	
22	185		15° 55'	--	5.6	TH	+0.9	-4.7		77.5		+180	+44	702,113 495,277	
TP	433		14° 48' 36"	--	3.6	-		-3.6		78.6	TP	+423	+94	702,356 495,327	
TP	433				5.8	TH	+2.2	-3.6			TP				
	416		185° 22' 48"	-2.3	+5.9	-		+5.9	84.5		BS	+409	+22		
	416				+3.8	BH	+2.1	+5.9			BS				
23	330		185° 05'	--	6.1	-		-6.1		78.4		-330	-16	702,435 495,333	
24	0				5.1	-		-5.1		79.4	π	0	0	702,765 495,349	
25	330		1° 55'	--	4.8	-		-4.8		79.7		+330	-2	703,095 495,349	

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1-22-85		B. Cotcamp		K. Greenfield		6834		KWB		17		5			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		ALTA MAMA - 7 1/2'		G.A.		TATTALL								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
TP	522		2° 21' 58"	-2.3	4.6	-		-4.6		79.9	TP	+522	+1	703,287	495,350
TP	522				7.2	TH	+2.1	-4.6			TP				
	793		183° 04' 54"	--	6.3	-		+6.3	86.2		BS	+793	+11		
	793				4.0	90° 10'	+2.3	+6.3			BS				
26	657		182° 05'	--	6.2	-		-6.2		80.0		-657	+2	703,423	495,363
27	330		180° 30'	--	4.8	-		-4.8		81.4		-330	+10	703,750	495,371
28	0				5.1	-		-5.1		81.1	T	0	0	704,080	495,361
29	330		11° 35'	-2.3	6.2	TH	+1.7	-4.5		81.7		+326	+53	704,406	495,414
30	658		10° 00' 47"	--	3.6	-		-3.6		82.6	TP	+652	+88	704,732	495,449
30	658				6.8	TH	+3.3	-3.5			TP				
	811		199° 14' 08"	-2.3	9.8	-		+9.8	92.4		BS	+776	+236		
	811				7.4	90° 16'	+2.4	+9.8			BS				
31	481		198° 55'	--	8.7	-		-8.7		83.7		-461	-138	705,049	495,547
32	151		198° 35'	--	7.0	-		-7.0		85.4		-145	-42	705,363	495,643
11'	573		199° 43' 05"	--	8.5	-		-8.5		83.9	11'	-547	-172	704,961	495,513
T	0				5.1	-		-5.1		87.3	T	0	0	705,508	495,685
TP	760		116° 45' 36"	-2.3	1.3	-		-1.3		91.1	TP	-315	+692	705,193	495,377
TP	760				5.1	TH	+3.8	-1.3			TP				
	2243		211° 40' 23"	--	13.7	-		+13.7	104.8		BS	+1955	+1100		
	2243				13.6	270° -		+13.6			BS	-1	-2		

11' - 704,925 X - 495,510  
 11' - TRAIL  
 11' - 705,510 X - 495,690  
 11' - INTER.  
 \* 760' OFFSET EAST.  
 11' - 705,200 X - 496,370  
 11' - INTER.

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DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
1.22.85		B. Cotcamp		K. Greenfield		6834		KWK		17	6				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
GEORGIA		ALTAMAHA-7 1/2'		G.A.		TATTNALL					W. Cassidy				
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									104.8						
33	2072		211° 22'	-2.3	10.9	-		-10.9		93.9		-1811	-1007	705,336	496,468
34	1742		-	--	11.2	-		-11.2		93.6		-1523	-846	705,624	496,629
35	1412		-	--	10.3	-		-10.3		94.5		-1234	-686	705,913	496,789
36	1082		211° 15'	-2.3	8.9	-		-8.9		95.9		-947	-524	706,200	496,951
37	752		-	--	8.2	-		-8.2		96.6		-658	-361	706,489	497,111
38	422		210° 20'	--	7.4	-		-7.4		97.4		-372	-198	706,775	497,277
39	92		-	--	6.2	-		-6.2		98.6		-81	-43	707,066	497,432
π	0				5.1	-		-5.1		99.7	π	0	0	707,147	497,475
40	239		20° 10'	-2.3	5.1	89° 30'	+2.1	-3.0		101.8		+227	+73	707,374	497,548
41	568		17° 35'	--	5.3	89° 30'	+5.0	-0.3		104.5		+548	+150	707,695	497,625
42	898		16° 40'	--	6.7	89° 30'	+7.8	+1.1		105.9		+870	+223	708,017	497,698
43	1228		16° 30'	--	7.0	89° 30'	+10.7	+3.7		108.5		+1190	+301	708,337	497,776
TP	1410		16° 52' 04"	--	6.7	89° 30'	+12.3	+5.6		110.4	TP	+1365	+355		
TP	1410				6.6	270° 30'	+12.3	+5.7			TP	-1	-2	708,511	497,828
	807		215° 15' 28"	-2.3	11.1	-		+11.1			BS	+677	+439		
	807				7.1	BH	+4.0	+11.1			BS	-1	-2		
44	658		215° 30'	--	9.3	-		-9.3		112.2		-551	-360	708,636	497,905
45	329		216° 25'	--	5.9	-		-5.9		115.6		-272	-185	708,915	498,080
46	0				5.1	-		-5.1		116.4	π	0	0	709,187	498,265

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1.22.85		B. Cotcamp		K. Greenfield		6834		KCB		17		7			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		ALTAHAMA-7 1/2'		G.A.		TATMALL								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									121.5						
47	330		19° 05'	-2.3°	5.7	TH	+1.7	-4.0		117.5		+1316	+95	709,503	498,360
48	660		-	-	5.1	TH	+3.3	-1.8		119.7		+632	+191	709,819	498,456
49	990		-	-	5.2	89° 40'	+5.8	+0.6		122.1		+948	+286	710,135	498,551
50	1320		-	-	5.3	89° 40'	+7.7	+2.4		123.9		+1264	+381	710,451	498,646
TP	1380		18° 10' 05"	-2.3°	5.7	89° 40'	+8.0	+2.3		123.8	TP	+1327	+377	710,513	498,640
TP	1380				5.6	270° 20'	+8.0	+2.4			TP	-1	-2		
	1666		168° 32' 06"	-	+10.6	89° 30'	-14.5	-3.9	119.9		BS	+1618	-396		
	1666				+10.7	270° 30'	-14.5	-3.8			BS	-1	-2		
51	1403		167° 40'	-2.3°	8.6	89° 30'	+12.2	+3.6		123.5		-1357	+354	710,773	498,596
52	1073		167° 35'	-	5.9	89° 30'	+9.4	+3.5		123.4		-1038	+273	711,092	498,515
53	744		167° 05'	-	7.3	89° 10'	+10.8	+3.5		123.4		-718	+195	711,412	498,437
54	414		166° 25'	-	9.8	89° 10'	+6.0	-3.8		116.1		-398	+113	711,732	498,355
55	84		-	-	6.4	89° 10'	+1.2	-5.2		114.7		-81	+23	712,049	498,265
X	0				5.1	-		-5.1		114.8	X	0	0	712,130	498,242
56	246		345° 46'	-2.3°	8.5	89° 10'	+3.6	-4.9		115.0		+236	-70	712,366	498,172
57	576		344° 40'	-	10.5	89° 10'	+8.4	-2.1		117.8		+549	-174	712,679	498,068
58	903		343° 00'	-	12.2	89° 10'	+13.1	-0.9		119.0		+852	-298	712,982	497,944
59	1232		341° 35'	-	9.0	89° 20'	+14.3	+5.3		125.2		+1152	-436	713,282	497,806
60	1561		340° 40'	-	12.1	89° 10'	+22.7	+10.6		130.5		+1451	-575	713,581	497,667

Y-710,500 X-498,626

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1-22-85		B. Cotcamp		K. Greenfield		6834		KDG		17		8			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		ALTAMAHA - 7 1/2		G.A.		TATTALL								W. Cass, Jr	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									119.9						
61	1891		340° 20' 55"	-2.3	12.9	89° 10'	+27.5	+14.6	134.4	134.4	TP	+1754	-707	713,883	497,533
61	1891				13.2	270° 50'	+27.5	+14.3			TP	-1	-2		
	2302		203° 43' 11"	--	13.0	84°	+11.5	+24.5	159.1	159.1	BS	+2143	+841		
	2302				13.5	84° 27'	+11.5	+25.0			BS	-1	-2		
62	1978		204° 45'	-2.3	11.8	90° 20'	-11.5	-23.3		135.8		-1828	-755	714,197	497,617
63	1648			--	9.2	90° 30'	-14.4	-23.6		135.5		-1523	-629	714,502	497,743
64	1318		205° 00'	--	10.8	90° 30'	-11.5	-22.3		136.8		-1216	-509	714,809	497,863
65	988		205° 30'	--	10.9	90° 30'	-8.6	-19.5		139.6		-908	-389	715,117	497,983
66	659		206° 30'	--	10.3	90° 30'	-5.8	-16.1		143.6		-601	-270	715,424	498,102
FF	409		209° 06' 11"	--	7.0	90° 30'	-3.6	-10.6		148.5		-365	-184	715,660	498,188
67	330		208° 30'	--	7.1	90° 30'	-2.9	-10.0		149.1		-296	-146	715,729	498,226
68	0				5.1	-		-5.1		154.0	TP	0	0	716,025	498,372
69	330		32° 55'	-2.3	5.7	89° 10'	+4.8	-0.9		158.2		+284	+168	716,309	498,540
70	660			--	6.7	89° 10'	+9.6	+2.9		162.0		+568	+336	716,593	498,708
71	970			--	6.5	87° 10'	+14.4	+7.9		167.0		+852	+504	716,877	498,876
72	1316		30° 30'	--	12.1	87° 10'	+19.1	+7.0		166.1		+1160	+622	717,185	498,994
73	1640		28° 05'	--	12.2	89° 10'	+23.8	+11.6		170.7		+1477	+713	717,502	499,085
74	1951		24° 28'	--	12.3	89° 10'	+28.4	+16.1		175.2		+1807	+736	717,832	499,108
75	2264		21° 39' 51"	--	8.2	89° 20'	+26.3	+18.1		177.0	TP	+2136	+751	718,160	499,121
75	2264			--	8.5	26° 40'	+26.3	+17.8			TP	-1	-2		

11 8-715,615 x-498,175  
FF 4 way enter

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-26-85		B. Cotamp		K. Greenfield		6834		KLG		17		9			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		ALTA MAMA - 7 1/2'		G.A.		TATTNALL								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
	1627		197° 54' 10"	-2.3'	14.7	89° 24'	-17.0	-2.3	174.8		BS	+1567	+438		
	1627				15.0	270° 36'	17.0	-2.0			BS	-1	-2		
76	1305		200° 40'	"	9.6	89° 30'	+11.4	+2.4		177.2		-1239	-411	718,487 499,146	
77	986		205° 05'	"	7.4	89° 30'	+8.6	+1.2		176.0		-909	-382	718,817 499,175	
78	660		207° 55'	"	4.7	89° 30'	+5.8	+1.1		175.9		-595	-285	719,131 499,272	
79	330		"	"	4.7	89° 30'	+2.9	-1.8		173.0		-298	-143	719,428 499,414	
80	0				5.1	-		-5.1		169.7	X	0	0	719,726 499,557	
81	330		28° 40'	-2.3'	6.3	89° 30'	+2.9	-3.4		171.4		+296	+147	720,022 499,704	
82	660		"	"	6.0	89° 30'	+5.8	-0.2		174.6		+591	+293	720,317 499,850	
83	990		28° 10'	"	5.2	89° 30'	+8.6	+3.4		178.2		+891	+432	720,617 499,989	
84	1317		26° 35'	"	6.6	89° 30'	+11.5	+4.9		179.7		+1200	+542	720,926 500,099	
85	1646		25° 46' 00"	"	12.6	89° 30'	+14.4	+1.8		176.4	TP	+1510	+655	721,235 500,211	
85	1646				12.9	270° 30'	+14.4	+1.5			TP	-1	-1		
	2377		202° 34' 19"	-2.3'	4.9	88° 50'	-48.4	-43.5			BS	+2229	+823		
	2377				1.0	271° 04'	-44.2	-43.2	133.1		BS	-1	-1		
86	2048		201° 42'	"	5.5	89°	+35.7	+30.2		163.3		-1932	-680	721,531 500,353	
14	1719		198° 32' 57"	"	4.5	89° 20'	+20.0	+15.5		148.6	14	-1650	-481	721,813 500,552 S-721,800 X-500,545 Y-721,813 EL. 147.0	
87	1740		198° 10'	"	5.1	89° 20'	+20.2	+15.1		148.2		-1674	-476	721,789 500,557	
88	1413		197° 35'	"	11.7	89° 20'	+16.4	+4.7		137.8		-1363	-372	722,100 500,661	
89	1083		196° 50'	"	6.2	89° 50'	+3.2	-3.0		130.1		-1048	-272	722,415 500,761	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1.25.85		B. Cotcamp		K. Greenfield		6834		KWA		17		10			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		ALTAMAMA-7 1/2'		G.A.		TATTNALL								W. CASS, dy	
STATION NO.	SLOPE DISTANCE	PLOTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									133.1						
90	755		195° 40'	-2.3°	8.8	89° 50'	+2.2	-6.6		126.5		- 735	-175	722,728	500,859
91	424		192° 55'	--	8.1	89° 50'	+1.2	-6.9		126.2		- 419	-78	723,045	500,955
92	96		-	--	6.0	89° 50'	+0.3	-5.7		127.4		- 94	-18	723,369	501,015
X	0				5.1	-		-5.1		128.0	X	0	0	723,463	501,033
93	228		16° 55'	-2.3	6.0	89° 50'	+0.9	-5.3		127.8		+221	+58	723,684	501,091
94	540		32° 50'	--	7.2	89° 10'	+7.9	+0.7		133.8		+ 465	+274	723,928	501,307
95	870		32° 15'	--	5.8	89° 10'	+12.6	+6.8		139.9		+ 754	+434	724,217	501,469
96	1200		32° 30'	--	8.1	89°	+20.9	+12.8		145.9		+ 1037	+604	724,500	501,637
97	1529		33° 10'	--	4.4	89°	+26.7	+22.3		155.4		+ 1312	+784	724,775	501,817
98	1859		33° 09 37	-2.3	2.9	89°	+32.4	+29.5		162.4	TP	+ 1596	+953	725,058	501,985
98	1859				3.2	271°	+32.4	+29.2			TP	-1	-1		
	989		217° 21 04	--	11.1	89°	-17.3	-6.2	156.2		BS	+810	+568		
	989				8.3	89° 10'	-14.4	-6.1			BS	-1	-1		
99	660		220° 20'	-2.3°	10.5	89° 10'	+9.6	-0.9		155.3		- 520	-407	725,347	502,145
101	700		219° 35 35	--	10.2	89° 10'	+10.2	70.0		156.2	11	-557	-424	725,310	502,128
100	330		220° 20'	--	11.9	89° 10'	+4.8	-7.1		149.1		- 260	-203	725,607	502,349
101	0				5.1	-		-5.1		151.1	X	0	0	725,867	502,552
102	330		42° 00'	-2.3	7.4	90° 40'	-3.8	-11.2		145.0		+ 254	+211	726,121	502,763
103	660		-	--	9.0	90° 40'	-7.7	-16.7		139.5		+ 508	+422	726,375	502,974
104	987		45° 25'	-	6.8	90° 40'	-11.5	-18.3		137.9		+ 720	+675	726,587	503,227

3-725,350 X-502,165  
4-Inter.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
1-26-85		B. Cotcamp		K. Greenfield		6834		RWG		17	11				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
GEORGIA		ALTAMAH - 7 1/2'		G.A.		TATTNALL					W. Cassidy				
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									156.2						
105	1315		46° 55'	-2.3	4.0	90° 40'	-15.3	-19.3		136.9		+936	+924	726,803	503,476
106	1644		47° 53' 30"	--	5.8	90° 30'	-14.4	-20.2		136.0	TP	+1150	+1174	727,016	503,725
106	1644				10.5	90° 20'	-9.6	-20.1			TP	-1	-1		
	877		232° 19' 49"	--	+7.5	88° -	-30.6	-23.1	112.9		BS	+563	+672		
	877				+5.0	88° 10'	-28.1	-23.1			BS	-1	-1		
107	547		232° 20'	-2.3	6.6	89° -	+9.5	+2.9		115.8		-351	-419	727,227	503,977
108	217		-	--	8.1	89° -	+3.8	-4.3		108.6		-139	-166	727,439	504,230
$\bar{\pi}$	0				5.1	-		-5.1		107.8	$\bar{\pi}$	0	0	727,578	504,396
109	112		60° 20'	-2.3	8.2	91° 20'	-2.6	-10.8		102.1		+59	+95	727,637	504,491
110	442		61° 15'	--	7.8	91° 20'	-10.3	-18.1		94.8		+228	+379	727,806	504,775
111	772		-	--	10.1	91° 20'	-18.0	-28.1		84.8		+398	+661	727,976	505,057
112	1102		-	--	8.0	91° 20'	-25.6	-33.6		79.3		+568	+944	728,146	505,340
TP	1261		61° 41' 15"	--	3.7	91° 20'	-29.3	-33.0		79.9	TP	+642	+1085	728,219	505,480
TP	1261				7.4	91° 10'	-25.7	-33.1			TP	-1	-1		
	502		270° 13' 47"	-2.3	+9.3	-		+9.3	89.2		BS	+18	+502		
	502				+11.7	TM	-2.5	+9.2			BS	-1	-1		
113	330		208° 50'	--	13.5	-		-13.5		75.7		-20	-329	728,216	505,652
114	0				5.1	-		-5.1		84.1	$\bar{\pi}$	0	0	728,236	505,981
TP	294		91° 09' 28"	--	9.0	-		-9.0	80.2		TP	+6	+294	728,241	506,274
TP	294				7.5	BM	-1.5	-9.0			TP	-1	-1		

ALTAMAH - 7 1/2' M  
REIDSVILLE East West ↓

LAST STA. ON ROAD

OLD ROAD GRADE  
↓ ↓

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-26-85		B. Cotcamp		K. Greenfield		6834		KWG		17		12			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		Reidsville West-7 1/2		G.A.		TATNALL								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - . LAT.	EAST + WEST - DEP.		Y
										80.2					
	358		236° 28' 40"	-2.3°	1.9	90° 40'	+4.2	+6.1	86.3		BS	+210	+290		
	358				+0.9	90° 50'	+5.2	+6.1		BS	-1	-1			
115	320		236° 20'	--	6.8	90° 10'	-0.9	-7.7		78.6		-188	-259	728,262	506,304
116	0				5.1	-	-	-5.1		81.2	X	0	0	728,450	506,563
117	330		36° 10'	-2.3	4.1	88° 10'	+10.6	+6.5		92.8		+274	+184	728,722	506,747
--11	450		35° 05' 30"	--	7.0	88° 10'	+14.4	+7.4		93.7	-11	+378	+244	728,828	506,807
118	660		36° 10'	--	6.5	88° 40'	+15.4	+8.9		95.2		+548	+368	728,998	506,931
TP	799		35° 47' 19"	--	14.4	88° 40'	+18.6	+4.2	90.5		TP	+666	+441	729,115	507,003
TP	799				13.5	88° 44'	+17.7	+4.2		TP	-1	-1			
	1179		197° 28' 20"	-2.3°	12.8	-	-	+12.8	103.3		BS	+1138	+309		
	1179				+6.9	BH	+5.9	+12.8		BS	-1	-1			
119	990		196° 40'	--	12.1	BH	-5.0	-17.1		86.2		-959	-246	729,293	507,065
120	660		-	--	11.2	90° 30'	-5.8	-17.0		86.3		-639	-164	729,613	507,147
121	330		-	--	11.0	90° 30'	-2.9	-13.9		89.4		-320	-82	729,938	507,229
122	0				5.1	-	-	-5.1		98.2	X	0	0	730,252	507,311
123	330		17° 15'	-2.3	5.9	-	-	-5.9		97.4		+319	+85	730,571	507,396
124	660		-	--	6.1	-	-	-6.1		97.2		+638	+170	730,890	507,481
TP	800		17° 52' 48"	--	5.9	-	-	-5.9	97.4		TP	+771	+215	731,022	507,525
TP	800				9.9	BH	+4.0	-5.9		TP	-1	-1			

EAST STA. ON SOUTH SIDE OF RIVER. 115

115 - 728,810 X - 506,810  
- TRAIL EL. 94.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	1-28-85	INSTRUMENT MAN	B. C. Camp	ROD MAN	K. Greenfield	PARTY NUMBER	6834	NOTES CHECKED BY	W	LINE NO.	17	PAGE	13	
AREA	GEORGIA	TOPO MAP	Reidsville west-7 1/2'	STATE	G.A.	COUNTY	TATTALL	TWP		RANGE		PPM	PARTY MANAGER	W. Cassidy

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -	EAST + WEST -	COORDINATES		REMARKS
												LAT.	DEP.	Y	X	
										97.4						
	2172		203 21 55	-2.3	+10.7	BH	+10.9	+21.6	119.0		BS	+2027	+781			
	2172				+10.8	BH <sub>270</sub>	+10.9	+21.7		BS	-1	-1				
125	1981		203 10	--	11.8	BH	-9.9	-21.7		97.3		-1851	-706	731,197	507,599	
126	1652		- -	--	12.1	BH	-8.3	-20.4		98.6		-1544	-588	731,504	507,717	
127	1322		- -	--	9.0	BH	-6.6	-15.6		103.4		-1235	-471	731,813	507,834	
128	992		203 10	-2.3	12.2	-	-	-12.2		106.8		-927	-353	732,121	507,952	
129	662		- -	--	11.7	-	-	-11.7		107.3		-619	-236	732,429	508,069	
129	564		204 21 42	--	10.6	-	-	-10.6		108.4	TP	-523	-212	732,525	508,093	TP 7-732,530 X-508,095
130	332		203 10	--	8.8	-	-	-8.8		110.2		-310	-118	732,738	508,187	TP 4-732,738
131	0				5.1	-	-	-5.1		113.9	TP	0	0	733,048	508,305	across sta.
132	332		49 54	-2.3	4.4	89 30	+2.9	-1.5		117.5		+224	+245	733,272	508,550	
133	662		- -	--	4.2	89 30	+5.8	+1.6		120.6		+446	+489	733,494	508,794	
134	992		- -	--	4.3	89 30	+8.7	+4.4		123.4		+669	+733	733,717	509,038	
135	1322		49 54	--	6.0	89 30	+11.5	+5.5		124.5		+891	+976	733,939	509,281	
136	1652		- -	--	7.0	89 30	+14.4	+7.4		126.4		+1114	+1220	734,162	509,525	
137	1982		- -	--	7.8	89 30	+17.3	+9.5		128.5		+1336	+1464	734,384	509,769	
138	<del>2302</del> 2312	B.G.C.	- -	--	10.7	89 30	+20.2	+9.5		128.5		+1559	+1707	734,607	510,012	
139	2642		49 56 28	-2.6	12.7	89 30	+23.1	+10.4		129.4	TP	+1790	+1943	734,837	510,247	
139	2642				12.8	270 30	+23.1	+10.3			TP	-1	-1			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	1-28-85	INSTRUMENT MAN	B. Cotcamp	ROD MAN	K. Greenfield	PARTY NUMBER	6834	NOTES CHECKED BY	KOG	LINE NO.	17	PAGE	14	
AREA	GEORGIA	TOPO MAP	REidsville West-East	STATE	G.A.	COUNTY	TATNALL	TWP		RANGE		PPM	PARTY MANAGER	W. Cassidy

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
										129.4				
	3373		229° 53' 34"	-2.6	+9.0	90° 36'	+35.3	+44.3	173.7		BS	+2288	+2478	
	3373				+9.1	269° 24'	+35.3	+44.4		BS				
140	3044		229° 50'	--	8.0	90° 40'	-35.4	-43.4		130.3		-2067	-2235	735,059 510,489
141	2714		" "	--	11.1	90° 40'	-31.6	-42.7		131.0		-1843	-1992	735,281 510,732
142	2342		230° 01' 17"	--	9.5	90° 46'	-31.3	-40.8		132.9	IF	-1584	-1724	735,540 511,000
143	2384		229° 50'	-2.6	9.3	90° 46'	-31.9	-41.2		132.5		-1619	-1750	735,505 510,974
144	2054		" "	--	9.4	90° 50'	-29.9	-39.3		134.4		-1395	-1508	735,729 511,216
145	1724		" "	--	11.7	90° 50'	-25.1	-36.8		136.9		-1171	-1266	735,953 511,458
146	1394		" "	--	10.1	91° -	-24.3	-34.4		139.3		-947	-1023	736,177 511,701
147	1064		" "	--	11.7	91° -	-18.6	-30.3		143.4		-722	-781	736,402 511,943
148	734		" "	-2.6	12.3	91° -	-12.8	-25.1		148.6		-498	-539	736,626 512,185
149	405		229° 10'	--	11.3	91° -	-7.1	-18.4		155.3		-278	-294	736,846 512,430
150	79		244° -	--	8.3	91° -	-1.4	-9.7		164.0		-38	-69	737,086 512,655
X	0		" "		5.1	-		-5.1		168.6	X	0	0	737,124 512,724
151	275		13° 46'	-2.6	5.6	TH	+1.4	-4.2		169.5		+270	+53	737,394 512,777
152	604		" "	--	5.7	TH	+3.0	-2.7		171.0		+593	+117	737,717 512,841
153	934		" "	--	7.6	TH	+4.7	-2.9		170.8		+916	+181	738,040 512,905 REidsville West ↑
154	1264		" "	--	9.3	TH	+6.3	-3.0		170.7		+1240	+245	738,364 512,969 REidsville East ↓
155	1594		" "	--	9.2	TH	+8.0	-1.2		172.5		+1564	+309	738,658 513,033
155	1923		" "	--	11.1	TH	+9.6	-1.5		172.2		+1887	+372	739,011 513,096

7-735,540 X-511,000  
T-Inter. EL. 133.0  
HORIZ. y - 25,  
CORR. X - 34

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-28-85		B. Cotamp		L. Greenfield		6834		B. Clark		17		15			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		Reidsville Egst-7 1/2		G.A.		TANNAH								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTting DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									173.7						
156	2254		13° 40'	-2.6	9.6	89° 50'	+6.6	-3.0		170.7		+2212	+433	739,336	513,157
157	2584		-	--	9.7	89° 56'	+9.5	-2.2		171.5		+2536	+496	739,660	513,220
158	2914		-	--	8.0	89° 50'	+8.5	+0.5		174.2		+2860	+559	739,984	513,283
IF	2942		13 27 51	--	7.9	89° 50'	+8.6	+0.7	} 176.4	174.2	TP	+2889	+555	740,012	513,277
IF	2942				8.2	270° 10'	+8.6	+0.4		TP			-	-	
	1740		287° 03' 17"	-2.6	+10.9	TH	-8.7	+2.2	} 176.4		BS	-434	+1685		
	1740				+10.9	TH 210°	-8.7	+2.2		BS			-	-	
159	1391		286° 50'	--	6.8	TH	+7.0	+0.2		176.6		+342	-1348	739,919	513,612
160	1061		-	--	5.1	TH	+5.3	+0.2		176.6		+261	-1028	739,838	513,932
161	731		-	--	6.8	89° 30'	+6.4	-0.4		176.0		+180	-709	739,757	514,251
162	401		-	--	5.6	89° 30'	+3.5	-2.1		174.3		+99	-389	739,676	514,571
163	72		278° 30'	--	5.4	89° 30'	+0.6	-4.8		171.6		+7	-72	739,584	514,888
π	0				5.1	-		-5.1		171.3	π	0	0	739,577	514,960
164	261		117° 10'	-2.6	7.0	90° 10'	-0.8	-7.8		168.6	IF	-109	+237	739,468	515,199
165	590		113° 50'	--	8.5	90° 10'	-1.7	-10.2		166.2		-214	+550	739,363	515,510
166	889		105° -	--	9.1	90° 10'	-2.6	-11.7		164.7		-191	+868	739,386	515,828
167	1143		92° 40'	--	11.6	90° 10'	-3.3	-14.9		161.5		-1	+1143	739,576	516,103
168	1432		86° 10'	-	9.1	90° 20'	-8.3	-17.4		159.0		+160	+1423	739,737	516,383
TP	1458		85° 41' 42"	--	9.3	90° 20'	-8.5	-17.8	}	158.6	TP	+175	+1447	739,751	516,405
TP	1458				9.4	269° 40'	-8.5	-17.9		TP			-	-	

y = 739,995 x - 513,265  
IF T-Inter.

y = 739,435 x - 515,180  
IF T-Inter.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-28-85		B. Cotnam		K. Greenfield		6834		B.C.W		17		16			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		REIDSVILLE East-7 1/2		G.A.		TATTNALL								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									158.6						
	635		250 42 16	-2.6	+3.1	89°	-11.1	-8.0	150.6		BS	+237	+589		
	635				+4.9	88 50	-12.9	-8.0		BS	-1	-2			
169	330		250 58	--	5.8	88° 20'	+9.6	+3.8		154.4		-122	-307	739,865	516,685
170	0				5.1	-		-5.1		145.5	TP	0	0	739,987	516,992
171	330		85° 20'	-2.6	8.0	91° 20'	-7.7	-15.7		134.9		+42	+327	740,029	517,319
172	660		87° 43 51	--	7.0	91° 20'	-15.4	-22.4	128.2		TP	+56	+657	740,042	517,647
172	660				9.0	91° 10'	-13.4	-22.4		TP	-1	-2			
	989		274 24 00	-2.6	+7.0	89°	-17.3	-10.3	117.9		BS	-31	+988		
	989				+4.1	89° 10'	-14.4	-10.3		BS	-1	-2			
173	660		272° 05'	--	5.8	89° 10'	+9.6	+3.8		121.7		-6	-660	740,004	519,973
174	330		" "	--	6.7	89° 10'	+4.8	-1.9		116.0		-3	-330	740,007	518,303
175	0				5.1	-		-5.1		112.8	TP	0	0	740,010	518,633
176	330		109° 20'	-2.6	8.2	89° 40'	+1.9	-6.3		111.6		-95	+316	739,915	518,949
177	659		110 "	--	9.7	89° 40'	+3.8	-5.9		112.0		-197	+629	739,813	519,262
178	989		110° 40'	--	7.9	89° 40'	+5.8	-2.1		115.8		-307	+940	739,703	519,573
179	1319		111° 05'	--	13.6	89° 10'	+19.2	+6.2		124.1		-418	+1251	739,592	519,884
180	1649		" "	-2.6	8.3	88° 50'	+33.6	+25.3		143.2		-523	+1564	739,487	520,197
181	1969		109° 20 10	--	5.9	88° 40'	+45.8	+39.9	157.8		TP	-567	+1885	739,442	520,516
181	1969				11.6	88° 30'	+51.5	+39.9		TP	-1	-2			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
1-28-85		B. Cotnam		K. Greenfield		6834		B. C. [Signature]		17		17				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
GEORGIA		Reidsville East-1/2'		G.A.		TATTALL								W. Cassidy		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									157.8							
	640		243° 25' 59"	-2.6	12.6	92°	+22.3	+34.9	192.7		BS	+312	+559			
	640			+	10.7	92° 10'	+24.2	+34.9		BS	-	-2				
182	340		228° 30'	--	8.3	91° 40'	-9.9	-18.2		174.5		-237	-244	739,516	520,829	
183	33		157° 55'	--	5.8	91° 40'	-1.0	-6.8		185.9		-30	+14	739,723	521,087	
π	0				5.1	-		-5.1		187.6	π	0	0	739,753	521,073	near metal
184	322		57° 28'	-2.6	5.6	89° 50'	+0.9	-4.7		188.0		+185	+263	739,938	521,336	
185	651		54° 55'	--	6.2	89° 50'	+1.9	-4.3		188.4		+398	+515	740,151	521,588	
186	980		54° 15'	--	9.8	89° 50'	+2.9	-6.9		185.8		+608	+769	740,361	521,842	
187	1313		54° 01' 45"	--	7.6	-		-7.6		185.1	TP	+819	+1627	740,571	522,099	across sta.
187	1313				11.4	89° 50'	+3.8	-7.6			TP	-	-			
	1262		246° 45' 39"	-2.6	10.9	-		+10.9	196.0		BS	+550	+1136			
	1262			+	4.6	84	+6.3	+10.9		BS	-	-				
188	932		246° 25'	--	7.7	-		-7.7		188.3		-411	-836	740,709	522,398	
189	602		-	--	6.4	-		-6.4		189.6		-266	-540	740,854	522,694	
190	272		-	--	5.4	-		-5.4		190.6		-120	-244	741,000	522,990	
#1	88		242° 00' 32"	--	4.9	-		-4.9		191.1	#1	-45	-76	741,075	523,158	#1 - 141,075 x - 523,155 T-Intersect EL. 191.6
π	0				5.1	-		-5.1		190.9	π	0	0	741,120	523,234	
191	64		95° 30'	-2.6	5.1	-		-5.1		190.9		-3	+64	741,117	523,298	
192	392		82° 40'	--	5.1	-		-5.1		190.9		+68	+386	741,188	523,620	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-28-85		B. Cotcamp		K. Greenfield		6834		B.C. W		17		18			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		Reidsville East-7 1/2'		G.A.		IATHALL								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									196.0						
193	722		82° 35'	-2.6	5.3	-		-5.3		190.7		+126	+711	741,246	523,945
194	1052		-	--	7.2	-		-7.2		188.8		+183	+1036	741,303	524,270
195	1382		-	--	9.2	-		-9.2		186.8		+240	+1361	741,360	524,595
196	1712		82° 34' 38"	--	8.4	-		-8.4		187.6	TP	+298	+1686	741,417	524,919
196	1712				8.5	270°		-8.5			TP	-	-		
	2310		262° 52' 19"	-2.6	+4.7	-		+4.7			BS	+390	+2277		
	2310				+4.8	270°		+4.8	-192.4		BS	-	-		
197	1980		262° 52'	--	12.6	TH	+9.9	-2.7		189.7		-335	-1952	741,471	525,243
198	1650		-	--	10.0	TH	+8.3	-1.7		190.7		-279	-1626	741,527	525,569
199	1320		-	--	7.8	TH	+6.6	-1.2		191.2		-223	-1301	741,583	525,894
200	990		-	-2.6	5.5	TH	+5.0	-0.5		191.9		-167	-976	741,639	526,219
201	660		-	--	8.6	89° 20'	+7.7	-0.9		191.5		-112	-651	741,694	526,544
202	336		-	--	5.7	89° 20'	+3.8	-1.9		190.5		-56	-325	741,750	526,870
#1	53		279° 29' 33"	--	2.6	89° 20'	+0.6	-2.0		190.4	#1	+6	-53	741,812	527,142
203	0				5.1	-		-5.1		187.3	X	0	0	741,806	527,195
204	330		69° 55'	-7.6	10.1	90° 20'	-1.9	-12.0		180.4		+127	+304	741,933	527,499
205	660		-	--	6.2	90° 20'	-3.8	-10.0		182.4		+255	+609	742,061	527,804
206	990		-	--	6.7	89° 50'	+2.9	-3.8		188.6		+382	+913	742,188	528,108
207	1320		69° 32'	--	5.2	89° 50'	+3.8	-1.4		191.0		+517	+1214	742,323	528,409
208	1650		69° 20'	--	5.9	89° 50'	+4.8	-1.1		191.3		+652	+1516	742,458	528,711

#1 741,815 X - 527,145  
71 PENNSYLVANIA E.L. 192.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
1-30-85		B. G. Camp		K. Greenfield		6834		B. C. W.		17		19				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
GEORGIA		Reidsville East - 7/2'		G.A.		TALMAGE								W. G. S. S. S.		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									192.4							
1957			69° 49' 48"	-2.6	4.3	89° 50'	+5.7	+1.4			TP	+757	+1804	742,562	528,998	4-way inter. EL. 195.0
1957					9.9	89° 40'	+11.4	+1.5		193.9	TP	-	-			
2003			264° 51' 46"	-2.8	5.5	TH	-10.0	-4.5		189.5	BS	+277	+1984			
2003					5.7	TH	-10.0	-4.3			BS	-	-			
209	1979		264° 02'	--	6.1	TH	+9.9	+3.8		193.3		-302	-1956	742,536	529,025	
210	1650		-	--	5.3	TH	+8.3	+3.0		192.5		-251	-1631	742,587	529,350	
211	1320		-	--	8.8	89° 30'	+11.5	+2.9		192.2		-201	-1305	742,637	529,676	
212	990		264° 02'	-2.8	6.7	89° 30'	+8.6	+1.9		191.4		-151	-978	742,687	530,003	
213	660		-	--	6.2	89° 30'	+5.8	-0.4		189.1		-101	-652	742,737	530,329	
214	330		-	--	6.2	89° 30'	+2.9	-3.3		186.2		-50	-326	742,788	530,655	
215	0				5.1	-		-5.1		184.4	X	0	0	742,838	530,981	D.T.
216	330		76° 45'	-2.8	8.1	89° 30'	+2.9	-5.2		184.3		+91	+317	742,929	531,298	
217	660		-	--	9.8	89° 30'	+5.8	-4.0		185.5		+182	+634	743,020	531,615	
709			76° 41' 43"	--	7.3	89° 40'	+4.1	-3.2		186.3	4/4	+197	+681	743,035	531,662	4-way inter. EL. 187.0
218	990		77° 15'	--	7.6	89° 40'	+5.8	-1.8		187.7		+265	+954	743,103	531,935	
219	1311		74° 27' 54"	--	8.3	89° 40'	+7.6	-0.7		188.8	TP	+412	+1244	743,249	532,224	
219	1311				5.3	89° 48'	+4.6	-0.7			TP	-	-			
	1318		228° 35' 07"	-2.8	6.8	-		+6.8		195.6	BS	+919	+945			
	1318				13.4	TH	-6.6	+6.8			BS	-	-			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-30-85		B. Cotcamp		K. Greenfield		6834		B. C. W.		17		20			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		Reidsville		G.A.		TANWALL								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									195.6						
220	990		228° 02'	-28°	7.9	-	-7.9		187.7			-697	-703	743,470	532,465
221	660		-	--	6.9	-	-6.9		188.7			-465	-469	743,702	532,699
222	330		-	--	6.1	-	-6.1		189.5			-232	-234	743,935	532,934
223	0				5.1	-	-5.1		190.5	TP		0	0	744,167	533,168
224	330		42° 25'	-28°	5.6	TH	+1.7	-3.9	191.7			+254	+210	744,421	533,378
225	418		38° 23' 07"	--	4.2	-	-4.2		191.4	TP		-340	+243	744,507	533,411
225	655		36° 10'	--	4.9	-	-4.9		190.7			+547	+360	744,714	533,528
226	984		33° 55'	--	5.1	-	-5.1		190.5			+842	+509	745,009	533,677
227	1312		32° 55'	--	5.4	-	-5.4		190.2			+1135	+658	745,302	533,826
228	1641		33° 36' 37"	--	5.3	-	-5.3		190.3	TP		+1409	+841	745,575	534,008
228	1641				5.4	270°	-5.4			TP		-1	-1		
	1316		226° 20' 30"	-28°	+2.5	-	+2.5			BS		+954	+907		
	1316				+2.6	270°	+2.6		192.9	BS		-1	-1		
229	987		225° 30'	--	8.3	TH	+4.9	-3.4	189.5			-725	-669	745,803	534,245
230	658		223° 30'	--	7.7	TH	+3.3	-4.4	188.5			-499	-429	746,029	534,485
231	331		218° 10'	--	6.2	TH	+1.7	-4.5	188.4			-270	-192	746,258	534,722
232	0				5.1	-	-5.1		187.8	TP		0	0	746,528	534,914
232	257		15° 57' 16"	-28°	3.6	-	-3.6		187.3	TP		+250	+58	746,778	534,972
233	331		17° 30'	--	5.0	89° 40'	+1.9	-3.1	189.8			+320	+84	746,848	534,998
234	659		13° 20'	--	5.8	89° 40'	+3.8	-2.0	190.9			+648	+120	747,176	535,034

2-744,500 x - 533,330  
4 way inter

4-746,800 x - 534,755  
4 way inter EL. 191.0

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-30-85		B. C. Camp		K. Greenfield		6834		B.C.W.		17		21			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		REIDSVILLE East-7 1/2'		G.A.		TATHALL								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									192.9						
235	989		11° 45'	-2.8°	7.0	89° 40'	+5.8	-1.2		191.7		+977	+154	747,505	535,068
236	1319		11° 10'	--	9.1	89° 40'	+7.7	-1.4		191.5		+1305	+192	747,833	535,106
237	1649		10° 57' 45"	--	11.2	89° 40'	+9.6	-1.6	}	191.2	TP	+1632	+234	748,159	535,147
237	1649				11.5	270° 20'	+9.6	-1.9		TP			-	-	
	2809		197° 48' 17"	-2.8°	7.8	-		+7.8	}	199.2	BS	+2713	+727		
	2809				+8.1	270° -		+8.1		BS			-	-	
238	2479		197° 50'	--	7.1	-		-7.1		192.1		-2394	-643	748,477	535,230
239	2150		-	--	6.8	-		-6.8		192.4		-2076	-558	748,795	535,315
240	1820		-	--	6.2	-		-6.2		193.0		-1758	-472	749,113	535,401
241	1490		-	--	5.9	-		-5.9		193.3		-1439	-386	749,432	535,487
242	1160		-	--	6.0	-		-6.0		193.2		-1120	-301	749,751	535,572
≠1	943		198° 24' 51"	-2.8°	6.1	-		-6.1		193.1	≠1	-908	-254	749,963	535,619
243	830		197° 35'	--	6.4	-		-6.4		192.8		-803	-212	750,068	535,661
244	500		-	--	6.2	-		-6.2		193.0		-483	-128	750,388	535,745
245	171		195° 05'	-2.8°	6.0	-		-6.0		193.2		-167	-36	750,704	535,837
π	0		-	--	5.1	-		-5.1		194.1	π	0	0	750,871	535,873
246	166		39° 55'	--	5.6	-		-5.6		193.6		+132	+100	751,003	535,973
247	495		37° 23'	--	7.3	TH	+2.5	-4.8		194.4		+408	+281	751,279	536,154
248	825		-	--	7.8	TH	+4.1	-3.7		195.5		+679	+468	751,550	536,341
249	1155		-	--	8.3	TH	+5.8	-2.5		196.7		+951	+656	751,822	536,529

115-750,000 X-535,675  
T-Intersect EC.194.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-30-85		B. Cotcamp		K. Greenfield		6834		B.C.W		17		22			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		REIDSVILLE East-7 1/2		G.A.		TATHALL								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									199.2						
250	1485		37° 25'	-2.8°	9.1	TH	+7.4	-1.7		197.5		+1222	+844	752,043	536,719
251	1815		-	--	10.7	TH	+9.1	-1.6		197.6		+1494	+1031	752,365	536,904
252	2145		37° 05'	--	12.4	TH	+10.7	-1.7		197.5		+1772	+1208	752,643	537,081
253	2473		36° 16' 13"	--	2.3	-		-2.3		196.8	TP	+2063	+1364	752,931	537,236
253	2473				2.6	270-		-2.6	-2.43		TP	-3	-1		
	1978		206° 55' 46"	-2.8°	3.6	-		+3.6			BS	+1805	+809		
	1978				3.7	270-		+3.7	200.5		BS	-3	-2		
254	1649		206° 20'	--	11.1	TH	+8.2	-2.9		197.6		-1512	-658	753,221	537,385
#	1482		206° 23' 20"	--	9.9	TH	+7.4	-2.5		198.0	#	-1358	-593	753,375	537,450
255	1320		206° 10'	--	10.3	TH	+6.6	-3.7		196.8		-1212	-524	753,521	537,519
256	990		-	-2.8°	8.2	TH	+5.0	-3.2		197.3		-909	-393	753,824	537,650
257	660		-	--	6.3	TH	+3.3	-3.0		197.5		-606	-262	754,127	537,781
258	330		-	--	4.9	TH	+1.7	-3.2		197.3		-303	-131	754,430	537,912
259	0				5.1	-		-5.1		195.4	X	0	0	754,733	538,043
260	330		22° 58'	-2.8°	5.3	-		-5.3		195.2		+310	+114	755,043	538,157
261	660		-	--	6.8	-		-6.8		193.7		+620	+228	755,353	538,271
262	990		-	--	6.1	-		-6.1		194.4		+929	+341	755,662	538,384
TP	1162		22° 34' 56"	--	6.8	-		-6.8			TP	+1093	+393	755,826	538,436
TP	1162				6.9	270-		-6.9		193.6	TP				

IL y-753,375 x-537,450  
 TP 4 way inter. EL. 199.0  
 Horiz coll. y--26'  
 x--31'

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		PAGE					
1-30-85		B. Cotcamp		K. Greenfield		6834		B. W. 17		23					
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		REIDSVILLE East-7 1/2		G.A.		TALLAH								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									193.6						
	486		177° 09' 02"	-2.8°	0.8	74	-2.4	-1.6	192.0		BS	+484	-48		
	486				+6.9	89°	-8.5	-1.6		BS					
263	329		175° 20'	--	6.6	87°	+5.7	-0.9		191.1		-326	+43	755,934	538,431
264	0				5.1	-		-5.1		186.9	X	0	0	756,310	538,388
265	330		340° 55'	-2.8°	7.5	-		-7.5		184.5		+306	-123	756,616	538,265
266	660		-	--	6.9	-		-6.9		185.1		+612	-246	756,922	538,142
267	989		342° 05'	--	6.1	-		-6.1		185.9		+925	-350	757,235	538,038
268	1308		346° 15' 03"	--	4.8	-		-4.8		187.2	TP	+1254	-373	757,564	538,015
268	1308				11.3	74	+6.5	-4.8			TP				
	987		184° 33' 16"	-2.8°	14.8	88° 04' 52"	-33.0	-18.2	169.0		BS	+986	+30		
	987				+14.6	88° 06'	-32.7	-18.1		BS					
269	660		186° 10'	--	13.1	87° 50'	+24.9	+11.8		180.8		-659	-39	757,891	538,006
270	331		196° 35'	--	7.7	87° 50'	+12.5	+4.8		173.8		-328	-45	758,222	538,000
271	0				5.1	-		-5.1		163.9	X	0	0	758,550	538,045
271	276		23° 14' 59"	-2.8°	7.4	89° 20'	+3.2	-4.2		164.8	X	+258	+96	758,808	538,141
272	331		25° 30'	--	7.5	89° 20'	+3.9	-3.6		165.4		+305	+128	758,855	538,173
273	661		26° 15'	--	6.4	89° 20'	+7.7	+1.3		170.3		+606	+263	759,156	538,308
274	991		-	--	4.8	89° 20'	+11.5	+6.7		175.7		+909	+394	759,459	538,439
275	1321		-	--	8.0	89°	+23.1	+15.1		184.1		+1212	+526	759,762	538,571

ACROSS STA.  
 1/2 - 758,810 X - 538,165  
 1/2 HWAY INTER.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
1-30-85		B. Cotomp		K. Greenfield		6834		B.C.W		17		24				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
GEORGIA		REIDSVILLE East-7 1/2		G.A.		TATNALL								W. Cass, Jr		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									169.0							
276	1650		25° 33' 38"	-2.8°	3.3	89° -	+28.8	+25.5	}	194.5	BP	+1521	+638	760,071	538,683	
276	1650				3.4	271 -	+28.8	+25.4		TP						
	1319		194° 04' 14"	--	+12.4	89° 30'	-11.5	+0.9		}	195.4	BS	+1294	+258		
	1319				+12.5	270° 30'	-11.5	+1.0			BS					
277	990		193° 45'	-2.8°	9.0	89° 20'	+11.5	+2.5		197.9		-972	-188	760,393	538,753	
If	1016		194° 13' 28"	--	9.8	89° 20'	+11.8	+2.0		197.4	If	-996	-201	760,369	538,740	
278	660		193° 45'	--	6.4	89° 10'	+9.6	+3.2		198.6		-648	-125	760,717	538,816	
279	330		- -	--	6.5	89° 10'	+4.8	-1.7		193.7		-324	-63	761,041	538,878	
280	0				5.1	-		-5.1		190.3	T	0	0	761,365	538,941	
281	330		17° 45'	-2.8°	9.7	89° 40'	+1.9	-7.8		187.6		+319	+85	761,684	539,026	
282	660		- -	--	6.4	89° 40'	+3.8	-2.6		192.8		+638	+170	762,003	539,111	
283	990		- -	--	5.3	89° 40'	+5.8	+0.5		195.9		+956	+255	762,321	539,196	
284	1319		17° 47' 31"	--	6.1	89° 40'	+7.7	+1.6	}	197.0	TP	+1274	+341	762,639	539,282	
284	1319				9.9	89° 30'	+11.5	+1.6		TP						
	5279		197° 52' 46"	-2.8°	7.6	-		+7.6	}	204.7	BS	+5097	+1373			
	5279				+7.9	270° -		+7.9		+7.73	BS					
285	4950		197° 53'	--	8.8	-		-8.8		195.9		-4779	-1288	762,957	539,367	
286	4620		- -	--	7.8	-		-7.8		196.9		-4461	-1202	763,275	539,453	
287	4290 <sup>4290</sup>		- -	--	8.1	-		-8.1		196.6		-4142	-1116	763,594	539,539	
288	3960		- -	--	7.6	-		-7.6		197.1		-3824	-1030	763,912	539,625	

4-760,375 x-538,780  
K-T-Intel. E.L. 199.6

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-30-85		B. Cotcamp		K. Greenfield		6834		KUG		17		25			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		REIDSVILLE East-7 1/2		G.A.		TATTNALL								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH -	EAST + WEST -		LAT. DEP.
									204.7						
289	3630		197° 53'	-28°	6.1	-		-6.1		198.6		-3505	-945	764,231	539,710
290	3300		-	--	6.3	-		-6.3		198.4		-3186	-859	764,550	539,996
291	2970		-	--	6.2	-		-6.2		198.5		-2868	-773	764,868	539,882
292	2640		-	--	7.3	-		-7.3		197.4		-2549	-687	765,187	539,968
293	2310		197° 53'	-28°	7.8	-		-7.8		196.9		-2230	-601	765,506	540,054
294	1980		-	--	8.4	-		-8.4		196.3		-1912	-515	765,824	540,140
295	1650		-	--	8.3	-		-8.3		196.4		-1593	-429	766,143	540,226
296	1320		197° 53'	-28°	8.0	-		-8.0		196.7		-1275	-344	766,461	540,311
297	990		-	--	7.9	-		-7.9		196.8		-956	-258	766,780	540,397
298	660		-	--	7.3	-		-7.3		197.4		-637	-172	767,099	540,483
299	330		-	--	5.9	-		-5.9		198.8		-319	-86	767,417	540,569
7/4	335		198° 29' 06"	--	5.8	-		-5.8		198.9	7/4	-323	-91	767,413	540,564
300	0				5.1	-		-5.1		199.6	7/4	0	0	767,736	540,655
301	330		17° 50'	-28°	4.9	-		-4.9		199.8		+319	+86	768,055	540,741
302	660		-	--	6.1	-		-6.1		198.6		+637	+171	768,373	540,826
303	990		-	--	6.3	-		-6.3		198.4		+956	+257	768,692	540,912
304	1320		-	--	7.1	-		-7.1		197.6		+1275	+342	769,011	540,997
305	1650		-	--	7.1	-		-7.1		197.6		+1594	+428	769,330	541,083
306	1980		-	--	6.2	-		-6.2		198.5		+1912	+514	769,648	541,169
307	2310		-	--	6.0	-		-6.0		198.7		+2231	+599	769,967	541,254

7/4 -767,400 x 540,560  
4 way Inter. 11.1980

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-30-85		B. Cotcamp		K. Greenfield		6834		1/16		17		26			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		Reidsville East-7 1/2		G.A.		TATTALL								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									204.7						
308	2640		17° 50'	-2.8°	5.7	-		-5.7		199.0		+2550	+685	770,286	541,340
309	2970		-	--	5.0	-		-5.0		199.7		+2868	+770	770,604	541,415
310	3300		-	--	5.0	-		-5.0		199.7		+3187	+856	770,923	541,511
311	3630		-	--	4.9	-		-4.9		199.8		+3506	+942	771,242	541,597
312	3960		-	--	10.8	89° 54'	+6.9	-3.9		200.8		+3824	+1027	771,560	541,682
313	4290		-	--	10.2	89° 54'	+7.5	-2.7		202.0		+4143	+1113	771,879	541,768
#	4360		17° 45' 13"	-2.8°	10.3	89° 54'	+7.6	-2.7		202.0	TP	+4212	+1125	771,948	541,780
314	4620		17° 50'	--	10.8	89° 54'	+6.1	-2.7		202.0		+4462	+1198	772,198	541,853
315	4950		-	--	11.3	89° 54'	+8.7	-2.6		202.1		+4781	+1284	772,517	541,939
316	5280		-	--	11.9	89° 54'	+9.2	-2.7		202.0		+5099	+1370	772,835	542,025
317	5608		17° 47' 59"	--	12.4	89° 54'	+9.8	-2.6		201.7	TP	+5417	+1451	773,153	542,106
317	5608				12.9	210 06'	+9.8	-3.1	-3.0		TP				
	1649		192° 50' 57"	-2.8°	+3.4	-		+3.4			BS	+1624	+288		
	1649				+11.6	TH	+8.2 <sup>8.2</sup>	+3.4 <sup>3.4</sup>	205.1		BS				
318	1320		192° 42'	--	9.3	TH	+6.6	-2.7		202.4		-1300	-227	773,477	542,167
319	990		-	--	7.7	TH	+5.0	-2.7		202.4		-975	-170	773,802	542,234
320	660		-	--	6.7	TH	+3.3	-3.4		201.7		-650	-113	774,127	542,281
321	330		-	--	4.9	-		-4.9		200.2		-325	-57	774,452	542,337
322	0				5.1	-		-5.1		200.0	TP	0	0	774,777	542,394

4.9-771935 X-541,790  
4.9-771935 X-541,790

Reidsville East ↑

Collins ↓

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
1-30-85		B. Cotcamp		K. Greenfield		6834		KGA		17		27			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		COLLINS-7 1/2'		GA.		TATNALL								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									205.1						
323	330		12 41	-28°	6.3	TH	+1.7	-4.6		200.5		+ 325	+ 57	775.102	542,451
324	660		- -	--	6.4	TH	+3.3	-3.1		202.0		+ 650	+ 113	775,427	542,809
325	990		- -	--	7.2	TH	+5.0	-2.2		202.9		+ 775	+ 170	775,752	542,564
326	1320		- -	--	8.3	TH	+6.6	-1.7		203.4		+1300	+ 227	776,077	542,621
IF	1317		12° 26' 32"	--	8.3	TH	+6.6	-1.7		203.4	IF	+1299	+218	776,076	542,612
TP	1420		12° 39' 24"	--	2.2	-		-2.2		202.9	TP	+1379	+243	776,176	542,637
TP	1420				9.2	TH	+7.1	-2.1			TP				
	696		209° 41' 46"	-28°	+5.1	-		+5.1		208.0	BS	+621	+315		
	696				+8.6	TH	-3.5	+5.1			BS				
327	465		209° 10'	--	5.3	-		-5.3		202.7		- 417	- 207	776,380	542,745
328	136		203° 05'	--	5.6	-		-5.6		202.4		- 128	- 47	776,669	542,905
π	0				5.1	-		-5.1		202.9	π	0	0	776,797	542,952
329	195		8° 28'	-2.8°	5.0	-		-5.0		203.0		+ 194	+ 19	776,991	542,971
330	525		- -	--	5.8	-		-5.8		202.2		+ 522	+ 52	777,319	543,004
331	855		- -	--	8.4	-		-8.4		199.6		+ 851	+ 84	777,648	543,036
332	1184		8° 05'	--	8.7	BH	-5.9	-14.6		193.4		+ 1179	+ 109	777,976	543,061
333	1514		- -	--	12.5	BH	-7.6	-20.1		187.9		+ 1508	+ 139	778,305	543,091
334	1844		8° 03' 10"	--	12.0	BH	-9.2	-21.2		186.8	TP	+1836	+169	778,633	543,121
334	1844				11.9	BH <sub>200'</sub>	-9.2	-21.1			TP				

8-776,076 X-542,610  
IF T-Inter. E.L. 203.0

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE			
1-20-85		B. Cotcamp		K. Greenfield		6834		KUB		17	28			
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER			
GEORGIA		Collins - 7 1/2'		G.A.		TANNALL					W. Cassida			
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS A TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
										186.8				
	991		212° 45' 06"	-2.8°	13.8	89° 20'	-11.5	+2.3	189.1		BS	+859	+495	
	991				+13.7	270° 40'	-11.5	+2.2		BS				
335	660		213° 28'	--	6.9	89° 20'	+7.7	+0.8		189.9		-568	-337	779,924 543,279
336	330		~	--	9.7	88° 20'	+9.6	-0.1		189.0		-284	-168	779,208 543,448
337	0				5.1	-		-5.1		184.0	A	0	0	779,492 543,616
338	330		44° -	-2.8°	10.3	89° -	+5.8	-4.5		184.6		+248	+217	779,746 543,833
339	660		45° -	--	9.1	89° -	+11.5	+2.4		191.5		+489	+443	779,981 544,059
340	990		45° 15'	--	6.8	89° -	+17.3	+10.5		199.6		+730	+668	780,222 544,284
341	1319		44° 34' 22"	--	10.2	89° -	+23.0	+12.8	202.0		TP	+784	+879	780,476 544,495
341	1319				6.3	89° 10'	+19.2	+12.9		TP				
	2082		186° 00' 15"	-2.8°	+14.7	-		+14.7	216.7		BS	+2079	+116	
	2082				+14.6	270°		+14.6		BS				
342	1783		181° 55'	--	11.2	-		-11.2		205.5		-1783	+27	780,772 544,638
#	1587		178° 07' 32"	--	7.6	-		-7.6		209.1	#	-1582	+129	780,973 544,740 # 4 way inter. 208.0
343	1489		176° 55'	--	7.9	-		-7.9		208.8		-1481	+153	781,074 544,764
344	1160		177° 10'	--	7.2	-		-7.2		209.5		-1154	+114	781,401 544,795
345	831		178° -	--	6.9	-		-6.9		209.8		-828	+70	781,727 544,681
346	562		179° 40'	--	6.6	-		-6.6		210.1		-501	+27	782,054 544,638
347	172		177° 10'	--	5.6	-		-5.6		211.1		-171	+17	782,384 544,628
A	0				5.1	-		-5.1		211.6	A	0	0	782,555 544,611

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.	PAGE				
1-30-85		B. Cotcamp		K. Greenfield		6834		Kub		17	29				
AREA		TOPO MAP		STATE		COUNTY		TWP	RANGE	PPM	PARTY MANAGER				
GEORGIA		Collins - 7 1/2'		G.A.		TALLWALL					W. Cass, dy				
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									216.7						
348	163		18° 10'	-2.8°	5.6	-		-5.6		211.1		+157	+43	782.712	544.654
349	492		15° 25'	--	5.9	-		-5.9		210.8		+480	+107	783.035	544.718
350	821		16° 04'	--	5.8	-		-5.8		210.9		+799	+188	783.354	544.799
351	1151		- -	--	6.2	-		-6.2		210.5		+1120	+264	783.675	544.875
352	1481		- -	--	7.0	-		-7.0		209.7		+1441	+340	783.996	544.951
353	1811		16° 04'	-2.8°	7.8	-		-7.8		208.9		+1763	+416	784.318	545.027
354	2141		- -	--	8.3	-		-8.3		208.4		+2084	+491	784.637	545.102
355	2471		- -	--	9.2	-		-9.2		207.5		+2405	+567	784.960	545.178
356	2801		- -	--	8.6	-		-8.6		208.1		+2726	+643	785.281	545.254
357	3131		16° 00' 33"	--	6.5	-		-6.5			TP	+3048	+715	785.603	545.326
357	3131			--	6.4	270°		-6.4		210.3	TP				
	532		214° 17' 39"	-2.8°	5.3	-		+5.3	215.6		BS	+454	+278		
	532				7.9	TH	-2.7	+5.2			BS				
358	296		193° 50'	--	5.9	-		-5.9		209.7		-291	-57	785.766	545.547
Σ	0				5.1	-		-5.1		210.5	Σ	0	0	786.057	545.604
359	34		14° 50'	--	5.2	-		-5.2		210.4		+33	+7	786.090	545.611
360	365		- -	--	9.6	-		-9.6		206.0		+357	+76	786.414	545.680
361	695		- -	--	5.7	91°	-12.1	-17.8		197.8		+680	+145	786.737	545.749
362	1025		13° 50'	-	11.7	90 30	-8.9	-20.4		195.0		+1006	+196	787.063	545.800

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
1-30-85		B. Cotcamp		K. Greenfield		6834		KWC		17		30				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
GEORGIA		Collins-7 1/2'		G.A.		TATTNALL								W. Cassidy		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									215.6							
363	1348		14° 03' 33"	-2.8°	7.3	90° 30'	-11.8	-19.1	}		TP	+1322	+263	787,379	545,867	
363	1348				3.3	90° 46'	-15.7	-19.0			176.6	TP				
	541		194° 28' 05"	--	+9.4	84°	+2.7	+12.1	}	208.7	BS	+530	+109			
	541				+2.6	91°	+9.4	+12.0				BS				
364	211		194° 30'	--	9.1	90° 50'	-3.1	-12.2		196.5		-207	-43	787,702	545,933	
X	0				5.1	-		-5.1		203.6	X	0	0	787,909	545,976	
365	120		38° 35'	-2.8°	6.0	86° 50'	+6.6	+0.6		209.3		+97	+70	788,006	546,046	
366	450		39° 50' 39"	--	9.6	86° 50'	+24.9	+15.3	}	}	224.0	TP	+359	+271	788,268	546,247
366	450				1.7	87° 50'	+17.0	+15.3					TP			
	2173		221° 32' 21"	--	+14.2	89° 48'	-7.6	+6.6	}	}		BS	+1695	+1360		
	2173				+14.3	220° 12'	-7.6	+6.7				230.7	BS			
367	1843		221° 45'	-2.8°	11.1	89° 50'	+5.4	-5.7		225.0		-1433	-1159	788,530	546,448	
368	1513		- -	--	9.0	89° 50'	+4.4	-4.6		226.1		-1177	-951	788,786	546,656	
369	1183		- -	--	6.3	89° 50'	+3.4	-2.9		227.8		-926	-744	789,043	546,863	
370	854		221° -	--	5.4	89° 50'	+2.5	-2.9		227.8		-671	-528	789,292	547,079	
371	526		218° 40'	--	5.4	89° 50'	+1.5	-3.9		226.8		-426	-308	789,537	547,299	
372	192		211° -	--	5.2	89° 50'	+0.6	-4.6		226.1		-67	-91	789,794	547,516	
X	0				5.1	-		-5.1		225.6	X	0	0	789,963	547,607	
373	131		33° 15'	-2.8°	5.6	91° -	-2.3	-7.9		222.8		+113	+66	790,076	547,673	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	1-30-85	INSTRUMENT MAN	B. Cotcamp	ROD MAN	K. Greenfield	PARTY NUMBER	6834	NOTES CHECKED BY	K	LINE NO.	17	PAGE	31
AREA	GEORGIA	TOPO MAP	Collins-7 1/2'	STATE	G.A.	COUNTY	TATTNALL	RANGE		PPM		PARTY MANAGER	W. Cassidy

STATION NO.	SLOPE DISTANCE	PLOT DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									230.7					
374	461		30° 52'	-2.8°	6.0	91° -	-8.0	-14.0		216.7		+407	+217	790,370 547,824
375	791		- -	--	10.2	91° 30'	-20.7	-30.9		199.8		+698	+372	790,661 547,777
#1	1104		30° 25' 46"	--	16.8	91° 40'	-32.1	-42.9		187.8	#1	+978	+512	790,941 548,119 $y = 170,910x - 548,125$ $\frac{1}{2} \text{ - Int. EL. } 189.0$
376	1120		30° 52'	--	11.0	91° 40'	-32.6	-43.6		187.1		+788	+527	790,951 548,134
377	1450		- -	-2.8°	8.9	91° 40'	-25.2	-51.1		179.6		+1279	+682	791,242 548,289
378	1786		- -	--	8.3	91° 40'	-51.7	-60.0		170.7		+1571	+837	791,534 548,444
379	2110		30° 54'	--	8.8	91° 30'	-55.2	-64.0		166.7		+1861	+994	791,824 548,601
380	2440		- -	--	10.6	91° 20'	-56.8	-67.4		163.3		+2152	+1149	792,115 548,756
381	2770		31° -	-2.8°	9.7	91° 10'	-56.4	-66.1		164.6		+2441	+1309	792,404 548,916
382	3100		- -	--	7.8	91° 10'	-63.1	-70.9		159.8		+2732	+1465	792,695 549,072
383	3430		- -	--	9.3	91° 10'	-69.8	-79.1		151.6		+3023	+1621	792,986 549,228
384	3760		- -	--	4.8	91° 10'	-76.6	-81.4		149.3		+3314	+1777	793,277 549,384
TP	3899		31 02 46	--	11.1	91° 02'	-70.3	-81.4	-81.53	149.2	TP	+3428	+1857	793,390 549,462 <del>6000</del>
TP	3899			-2.6	11.4	268° 58'	-70.3	-81.7				TP	-1	-2

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
2-1-85		B. Cotcamp		K. Greenfield		6834		[Signature]		17		[Signature]				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
GEORGIA		Collins - 7 1/2'		G.A.		Tatnall - Evans								W. Cassidy		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
										149.2						
	2173		233° 40' 00"	-2.6	+7.7	B4	+10.9	+18.6			BS	+1366	+1690			
	2173			" "	+7.6	B4 210	+10.9	+18.5	167.7		BS	-1	-2			
385	1977		233° 15'	" "	6.8	90° 30'	-17.3	-24.1		143.6		-1254	-1529	793,501	549,621	
386	1647		233° 20'	" "	6.6	90° 50'	-23.9	-30.5		137.2		-1042	-1275	793,713	549,875	
387	1317		233° 45'	-2.6	9.7	91° -	-23.0	-32.7		135.0		-826	-1026	793,929	550,124	
388	987		234° -	" "	11.7	91° 10'	-20.1	-31.8		135.9	IC	-616	-771	794,139	550,379	
389	658		235° 10'	" "	8.6	91° 50'	-21.0	-29.6		138.1		-400	-522	794,355	550,628	
390	329		237° 50'	" "	9.6	91° 50'	-10.5	-20.1		142.6		-188	-270	794,567	550,880	
391	0			" "	5.1	-	-	-5.1		162.6	X	0	0	794,755	551,150	
392	330		54° 55'	-2.6	4.2	88° 50'	+6.7	+2.5		170.2		+202	+261	794,957	551,411	Collins - 7 1/2'
393	666		" "	" "	5.5	88° 50'	+13.4	+7.9		175.6		+403	+522	795,158	551,672	CLAXTON - 7 1/2' ↓
394	990		55° 10'	" "	10.0	88° 50'	+20.2	+10.2		177.9		+602	+786	795,357	551,934	
395	1320		55° -	" "	10.8	89° -	+23.0	+12.2		179.9		+805	+1046	795,560	552,196	
396	1649		54° 32' 45"	" "	11.3	89° 10'	+24.0	+12.7		180.5	TP	+1016	+1298	795,770	552,446	
396	1649		" "	" "	11.1	270° 50'	+24.0	+12.9	112.53		TP	-1	-2			
	2740		226° 22' 38"	-2.6	+10.0	89° 30'	-23.9	-13.9	166.5		BS	+1978	+1896			
	2740		" "	" "	+9.8	270° 30'	-23.9	-14.1	143.3		BS	-1	-2			
df	2589		226° 44' 24"	" "	10.6	89° 30'	+22.6	+12.0		178.5		-1858	-1803	795,889	552,537	795,846 * 552,545 # 10161 EL
397	2411		226° 40'	-2.6	10.5	89° 40'	+14.0	+3.5		170.0		-1732	-1677	796,015	552,663	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE 2-1-85	INSTRUMENT MAN B. Cotcamp	ROD MAN K. Greenfield	PARTY NUMBER 6834	NOTES CHECKED BY B.C.W	LINE NO. 17	PAGE 33	
AREA GEORGIA	TOPO MAP CLAXTON - 7 1/2'	STATE G.A.	COUNTY EVANS	TWP	RANGE	PPM	PARTY MANAGER W. Cassidy

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									166.5					
398	2081		226° 45'	-2.6	3.9	-		-3.9		162.6		-1493	-1450	796,254 552,890
399	1751		" "	" "	5.1	BM	-8.8	-13.9		152.6		-1256	-1220	796,491 553,120
400	1421		" "	" "	4.6	90° 50'	-20.7	-25.3		141.2		-1020	-990	796,727 553,350
401	1691		226° 45'	" "	13.0	90° 50'	-15.9	-28.9		137.6		-783	-760	796,964 553,580
402	761		" "	-2.6	10.3	91° 10'	-15.5	-25.8		140.7		-546	-530	797,201 553,810
403	431		" "	" "	8.1	91° 10'	-8.8	-16.9		149.6		-309	-300	797,438 554,040
404	102		224° 50'	" "	6.7	89° 10'	+1.5	-5.2		161.3		-76	-69	797,671 554,271
K	0		" "	" "	5.1	-		-5.1		161.4	K	0	0	797,747 554,340
405	229		30° 40'	-2.6	6.8	89° 10'	+3.3	-3.5		163.0		+202	+108	797,949 554,448
406	558		27° 50'	" "	5.8	89° 10'	+8.1	+2.3		168.8		+505	+238	798,252 554,578
47	660		26° 54' 30"	-2.6	5.0	88° 50'	+13.4	+8.4		174.9	47	+601	+272	798,348 554,612 4798,310 X 554,600 1/2 meter EL.
407	887		26° 17'	" "	7.7	88° 50'	+18.1	+10.4		176.9		+812	+356	798,559 554,696
TP	1081		23° 19' 53"	-2.6	9.3	88° 50'	+22.0	+12.7		179.2	TP	+1011	+383	798,757 554,721
TP	1081		" "	" "	9.2	271° 10'	+22.0	+12.8			TP	-1	-2	
	1448		185° 38' 03"	-2.7	12.7	89° 40'	-8.4	+4.3			BS	+1446	+74	
	1448		" "	" "	12.6	270° 20'	-8.4	+4.2	183.4		BS	-1	-2	
408	1326		185° 30'	" "	11.3	89° 30'	+11.5	+0.2		183.6		-1318	-64	798,884 554,729
409	990		" "	" "	6.8	89° 30'	+8.6	+1.8		185.2		-989	-48	799,213 554,745
410	660		" "	-2.7	5.9	89° 30'	+5.8	-0.1		183.3		-659	-32	799,543 554,761
411	370		" "	" "	7.5	89° 30'	+2.9	-4.6		178.8		-330	-16	799,872 554,777

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
2-1-85		B. Cotcamp		K. Greenfield		6834		D.C. W		17		34			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		CLAXTON - 7 1/2'		G.A.		EVANS								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									183.4						
412	0			-2.7	5.1	-		-5.1		178.3	π	0	0	800,202	554,793
413	330		5° 39'	" "	6.6	90° 30'	-2.9	-9.5		173.9		+330	+17	800,532	554,810
414	660		" "	" "	11.3	90° 30'	-5.8	-17.1		166.3		+659	+34	800,861	554,821
415	990		" "	" "	9.7	91° -	-17.3	-27.0		156.4		+989	+51	801,191	554,844
416	660 <sup>acc.</sup> 1320		5° 39'	" "	11.8	91° -	-23.6	-34.8		148.6		+1318	+68	801,520	554,866
417	1650		" "	-2.7	9.8	91° -	-28.8	-38.6		144.8		+1648	+85	801,850	554,878
418	1980		" "	" "	6.5	91° -	-34.6	-41.1		142.3		+1977	+102	802,079	554,895
419	2310		" "	" "	8.9	90° 40'	-26.9	-35.8		147.6		+2307	+119	802,509	554,912
420	2639		" "	" "	8.0	90° 30'	-23.0	-31.0		152.4		+2636	+136	802,836	554,929
TP	2772		5° 36' 34"	" "	8.4	90° 30'	-24.2	-32.6		150.8	TP	+2768	+141	802,969	554,932
TP	2772		" "	" "	8.3	269° 30'	-24.2	-32.5			TP	-1	-2		
	1447		244° 21' 57"	-2.7	+2.7	TM	-7.2	-4.5			BS	+687	+1274		
	1447		" "	" "	+2.6	TM 270°	-7.2	-4.6	146.2		BS	-1	-2		
421	1229		244° 02'	" "	10.3	TM	+6.1	-4.2		142.0		-590	-1078	803,065	555,126
422	899		" "	" "	11.1	-		-11.1		135.1		-431	-789	803,224	555,415
423	569		" "	" "	11.7	-		-11.7		134.5		-273	-499	803,382	555,705
424	239		" "	-2.7	9.1	-		-9.1		137.1		-115	-210	803,540	555,994
π	60		248° 21' 36"	" "	4.4	-		-4.4		141.8	π	-25	-55	803,630	556,149
π	0		" "	" "	5.1	-		-5.1		141.1	π	0	0	803,655	556,204
425	96		12° 40'	-2.7	6.0	88° 30'	+2.5	-3.5		142.7		+95	+17	803,750	556,221

# 7803640 X 556,145  
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SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	2-2-85	INSTRUMENT MAN	B. Cotcamp	ROD MAN	K. Greenfield	PARTY NUMBER	6834	NOTES CHECKED BY	BCW	LINE NO.	17	PAGE	35
AREA	GEORGIA	TOPO MAP	CLAXTON - 7 1/2'	STATE	G.A.	COUNTY	EVANS	TWP		RANGE	PPM	PARTY MANAGER	L. CASSIDY

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									146.2					
426	426		12° 40'	-2.7	5.3	88° 30'	+11.1	+5.8		152.0		+ 420	+ 74	804,075 556,278
427	756		" "	" "	7.2	88° 30'	+19.8	+12.6		158.8		+ 745	+131	804,400 556,335
428	1086		" "	" "	12.9	88° 50'	+22.1	+9.2		155.5		+ 1070	+188	804,725 556,392
TP	1176		12° 32' 38"	" "	14.6	88° 50'	+23.9	+9.3			TP	+1158	+201	804,812 556,403
TP	1176		" "	" "	14.7	271° 10'	+23.9	+9.2		155.4	TP	-1	-2	
	1186		188° 24' 33"	-2.7	13.7	90° 40'	+13.8	+27.5	182.9		BS	+1180	+118	
	1186		" "	" "	10.3	90° 50'	+17.2	+27.5			BS	-1	-2	
429	950		187° 55'	" "	10.6	90° 50'	-13.8	-24.4		158.5		-946	-86	805,045 556,433
430	620		187° 46'	" "	9.7	90° 50'	-9.0	-18.7		164.2		-618	-54	805,373 556,465
431	291		187° -	" "	9.0	-	-	-9.0		173.9		-290	-22	805,701 556,497
X	0		" "	-2.7	5.1	-	-	-5.1		177.8	X	0	0	805,991 556,519
432	39		6° 40'	" "	5.8	91° -	-0.7	-6.5		176.4		+ 39	+3	806,030 556,522
431	248		4° 51' 54"	" "	6.8	91° -	-4.3	-11.1		171.8	431	+248	+9	806,239 556,528 <small>all inter</small>
433	369		6° 46'	" "	6.7	91° -	-6.4	-13.1		169.8		+ 368	+26	806,359 556,545
434	699		" "	-2.7	4.1	91° -	-12.2	-16.3		166.6		+ 697	+48	806,688 556,567
TP	958		7° 25' 03"	" "	2.7	91° -	-16.7	-19.4		163.5	TP	+955	+79	806,945 556,596
TP	958		" "	" "	5.4	90° 50'	-13.9	-19.3			TP	-1	-2	
	1397		215° 44' 56"	" "	10.3	-	-	+10.3			BS	+1171	+762	
	1397		" "	-2.7	10.2	210° -	-	+10.2	173.7		BS	-1	-2	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
2.2.85		B. Cotcamp		K. Greenfield		6834		B.C.		17		36			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		CLAXTON - 7 1/2'		G.A.		EVANS								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									173.7						
435	1320		215° 40'	-2.7	11.8	-		-11.8		161.9		-1107	-718	807,008	556,638
436	990		" "	" "	12.0	BH	-5.0	-17.0		156.7		-831	-539	807,284	556,817
437	875		216° 31' 53"	-2.7	12.7	BH	-4.4	-17.1		156.6	TP	-727	-487	807,388	556,869
437	660		215° 40'	" "	13.3	BH	-3.3	-16.6		157.1		-554	-359	807,561	556,997
438	330		" "	" "	9.8	-		-9.8		163.9		-277	-180	807,838	557,176
439	0		" "	" "	5.1	-		-5.1		168.6	TP	0	0	808,115	557,356
440	330		37° 10'	" "	11.8	BH	-1.7	-13.5		160.2		+272	+187	808,387	557,543
441	660		" "	-2.7	11.9	BH	-3.3	-15.2		158.5		+544	+374	808,659	557,730
442	990		" "	" "	10.7	-		-10.7		163.0		+816	+560	808,931	557,916
443	1320		37° 25'	" "	7.5	BH	-6.6	-14.1		159.6		+1085	+751	809,200	558,107
444	1650		" "	" "	6.4	BH	-8.3	-14.7		159.0		+1356	+940	809,471	558,296
TP	1251		36° 56' 50"	-2.9	7.2	BH	-9.3	-16.5		157.2	TP	+1536	+1034	809,650	558,388
TP	1851		" "	" "	7.1	BH	-9.3	-16.4			TP	-1	-2		
	389		271° 52' 34"	" "	3.9	88°	-13.6	-9.7			BS	+8	+389		
	389		" "	" "	3.8	272°	-13.6	-9.8	147.4		BS	-1	-2		
445	229		272° 30'	" "	4.6	88°	+8.0	+3.4		150.8		-2	-229	809,655	558,546
TP	0		" "	-2.9	5.1	-		-5.1		142.3	TP	0	0	809,657	558,775
TP	442		130° 34' 01"	" "	8.0	91°	-7.7	-15.7		131.7	TP	-269	+350	809,388	559,123
TP	442		" "	" "	6.7	91°	-9.0	-15.7			TP		-2		

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SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
2-2-85		B. Cotcamp		K. Greenfield		6834		B.C.W.		17		37			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		CLAXTON-7/2		G.A.		EVANS								W. Cass. dy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS K TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
										131.7					
	1473		325° 02' 27"	-2.9	2.4	-		+2.4			BS	-1161	+906		
	1473			" "	2.3	220		+2.3	134.0		BS		-2		
K	0			" "	5.1	-		-5.1		128.9	K	0	0	808,227 560,027	
446	770		32° 10'	" "	6.0	92°	-12.9	-18.9		115.1		+323	+181	808,550 560,208	
447	698		28° 55'	-2.9	7.0	91°	-12.2	-19.2		114.8		+627	+306	808,854 560,333	
#	816		26° 48' 51"	" "	5.2	91°	-14.2	-19.4		114.6	TP	+746	+329	808,973 560,354	
#	816			" "	5.1	269°	-14.2	-19.3			TP		-2		
	2185		187° 47' 51"	" "	1.6	BH	+10.9	+12.5	127.1		BS	+2177	+183		
	2185			-2.9	1.5	BH	+10.9	+12.4			BS		-2		
448	1979		187° 23'	" "	6.3	BH	-9.9	-16.2		110.9		-1973	-155	809,177 560,380	
449	1650		" "	" "	7.0	BH	-8.3	-15.3		118.8		-1645	-129	809,505 560,406	
450	1320		" "	" "	8.2	BH	-6.6	-14.8		112.3		-1316	-103	809,834 560,432	
451	990		" "	-2.9	8.7	BH	-5.0	-13.7		113.4		-987	-77	810,163 560,458	
452	660		" "	" "	11.5	-		-11.5		115.6		-658	-52	810,492 560,483	
453	330		" "	" "	9.0	-		-9.0		118.1		-329	-26	810,821 560,509	
454	0		" "	" "	5.1	-		-5.1		122.0	K	0	0	811,150 560,535	
455	330		5° 56'	-2.9	7.8	89° 10'	+4.8	-3.0		124.1		+330	+17	811,480 560,552	
456	660		" "	" "	9.9	89° 10'	+9.6	-0.3		126.8		+659	+35	811,809 560,570	
#	949		5° 30' 45"	" "	10.5	89° 10'	+13.8	+3.3		130.4	#	+948	+42	812,098 560,577	
457	990		5° 56'	" "	10.6	89° 10'	+14.4	+3.8		130.9		+989	+52	812,139 560,587	

# Y 812,135 X 560,600  
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SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
2-2-85		B. Cotcamp		K. Greenfield		6834		B.C.K		17		38			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		CLAXTON - 1/2'		G.A.		EVANS								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									127.1						
458	1320		5° 48'	-2.9	10.5	89° 10'	+19.2	+8.7		135.8		+1318	+67	812,468	560,602
459	1650		" "	" "	9.8	89° 20'	+19.2	+9.4		136.5		+1648	+83	812,798	560,618
460	1777		5° 31' 42"	" "	10.8	89° 20'	+20.9	+9.9		137.0		+1775	+81	812,925	560,616
460	1979		5° 35' 12"	-2.9	10.4	89° 30'	+17.3	+6.9		134.0	TP	+1977	+89	813,127	560,622
460	1979		" "	" "	10.3	27° 30'	+17.3	+7.0			TP		-2		
	2969		186° 49' 38"	" "	0.4	90° 28'	+24.2	+24.6			BS	+2962	+198		
	2969		" "	" "	3.8	269° 36'	+20.7	+24.5	158.5		BS		-2		
461	2640		186° 50'	-2.9	11.4	90° 20'	-15.4	-26.8		131.7		-2634	-181	813,455	560,637
462	2310		" "	" "	12.0	90° 20'	-13.4	-25.4		133.1		-2305	-158	813,784	560,660
463	1980		" "	" "	12.2	90° 20'	-11.5	-23.9		134.8		-1975	-136	814,114	560,682
464	1650		186° 50'	" "	10.5	90° 20'	-9.6	-20.1		138.4		-1646	-113	814,443	560,705
465	1320		" "	" "	8.8	90° 20'	-7.7	-16.5		142.0		-1317	-91	814,772	560,727
466	990		" "	-2.9	7.8	90° 20'	-5.8	-13.6		144.9		-988	-68	815,101	560,750
467	660		" "	" "	7.2	90° 20'	-3.8	-11.0		147.5		-658	-45	815,431	560,773
468	330		" "	" "	6.3	90° 20'	-1.9	-8.2		150.3		-329	-23	815,760	560,795
469	0		" "	" "	5.1	-	-	-5.1		153.4	π	0	0	816,089	560,818
470	330		6° 33'	-2.9	6.4	89° 10'	+4.8	-1.6		156.9		+329	+21	816,418	560,839
471	660		" "	" "	7.0	89° 10'	+9.6	+2.6		161.1		+659	+42	816,748	560,860
472	990		" "	" "	7.1	89° 10'	+14.4	+9.3		165.8		+988	+63	817,077	560,881
473	1320		" "	-2.9	7.1	89° 10'	+19.2	+12.1		170.6		+1317	+84	817,406	560,902

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
2-2-85		B. Gtcamp		K. Greenfield		6834		B.C.K.		17		39			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		CLAXTON-7 1/2'		G.A.		EVANS								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									158.5						
474	1650		6° 35'	-2.9	6.0	89° 10'	+24.0	+18.0		176.5		+16.47	+106	817,736	560,924
475	1980		7° -	" "	5.9	89° 10'	+28.8	+22.9		181.4		+19.75	+142	818,064	560,960
476	2309		7° 35'	" "	5.6	89° 10'	+33.6	+28.0		186.5		+23.01	+189	818,390	561,007
477	2639		7° 47'	" "	6.6	89° 10'	+38.4	+31.8		190.3		+26.29	+225	818,718	561,043
TP#1	2778		7° 44' 03"	-2.9	8.1	89° 10'	+40.4	+32.3		190.8	TP	+27.60	+229	818,857	561,045
TP#1	2778			" "	8.0	270° 50'	+40.4	+32.4			TP		-2		
	1180		182° 01' 50"	" "	+7.8	87° 50'	-44.6	-36.8	154.0		BS	+11.79	-20		
	1180			" "	+4.4	88° -	-41.2	-36.8			BS		-2		
478	989		181° 40'	" "	5.9	87° 50'	+37.4	+31.5		185.5		-9.87	-21	819,047	561,044
479	659		182° -	-2.9	7.1	87° 50'	+24.9	+17.8		171.8		-6.59	+10	819,377	561,033
480	330		183° 40'	" "	7.4	87° 50'	+12.5	+5.1		159.1		-3.30	-4	819,706	561,019
481	0			" "	5.1	-		-5.1		148.9	π	0	0	820,036	561,023
482	330		12° 15'	" "	7.0	90° 50'	-4.8	-11.8		142.2		+3.26	+54	820,362	561,077
483	660		-	-2.9	7.1	90° 50'	-9.6	-16.7		137.3		+6.51	+107	820,687	561,130
484	987		14° 25' 17"	" "	4.7	90° 50'	-14.4	-19.1		134.9	TP	+9.67	+195	821,003	561,217
484	987			" "	7.6	90° 40'	-11.5	-19.1			TP		-1		
	1648		207° 00' 59"	" "	+14.4	89° -	-28.8	-14.4	120.4		BS	+15.05	+671		
	1648			" "	+14.2	271° -	-28.8	-14.6	115.3		BS		-1		
485	1319		206° 22'	-2.9	10.3	89° 10'	+19.2	+8.9		129.3		-12.10	-525	821,298	561,362
486	989		205° 20'	" "	11.7	89° 10'	+14.4	+2.7		123.1		-9.14	-377	821,594	561,510

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
2-2-85		B. Cotcamp		K. Greenfield		6834		J.B.C.W.		17		40				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
6EORG.M		Register-7 1/2'		G.A.		EVANS								W. Cassidy		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									120.4							
487	660		204° 30'	-2.9	10.9	89° 10'	+9.6	-1.3		119.1		-614	-243	821,894	561,644	
488	330		203° -	" "	8.1	89° 10'	+4.8	-3.3		117.1		-310	-113	822,198	561,774	
489	0		" "	" "	5.1	-	-	-5.1		115.3	X	0	0	822,508	561,887	near power line
490	326		358° 25'	" "	8.0	89° 10'	+4.7	-3.3		117.1		+325	-25	822,833	561,862	
TP	418		356° 47' 40"	" "	9.2	89° 10'	+6.1	-3.1		117.3	TP	+416	-45	822,924	561,841	
TP	418		" "	-2.9	7.9	89° 20'	+4.9	-3.0			TP		-1			
	1183		157° 01' 20"	" "	5.7	-	-	+5.7	123.0		BS	+1063	-518			
	1183		" "	" "	11.6	TH	-5.9	+5.7			BS		-1			
491	944		156° 38'	" "	7.2	89° 50'	+2.7	-4.5		118.5		-847	-418	823,140	561,740	
492	615		156° 15'	-2.9	6.4	89° 50'	+1.8	-4.6		118.4		-550	+276	823,437	561,598	
493	285		-	" "	5.6	89° 50'	+0.8	-4.8		118.2		-255	+128	823,732	561,450	
X	0		" "	" "	5.1	-	-	-5.1		117.9	X	0	0	823,987	561,322	
494	45		333° 15'	" "	6.4	89° 50'	+0.1	-5.3		117.7		+39	-22	824,026	561,300	
495	372		326° 40'	" "	6.6	89° 50'	+1.1	-5.5		117.7		+300	-220	824,287	561,102	
TP	458		314° 44' 31"	-2.9	5.3	89° 20'	+5.3	±0.0		123.0	TP	+360	-284	824,347	561,037	
TP	458		" "	" "	5.2	270° 40'	+5.3	+0.1			TP		-1			
	5075		218° 51' 19"	-2.5	+11.3	-	-	+11.3	134.1		BS	+4113	+2973			
	5075		" "	" "	+10.8	270° -	-	+10.8	+11.3		BS		-1			
496	4812		218° 43'	" "	10.1	-	-	-10.1		124.0		-3882	-2843	824,578	561,166	
497	4444 4482 B.G.C.		-	-2.5	9.8	-	-	-9.8		124.3		-3616	-2648	824,844	561,361	Bridge

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE							
2-2-85		B. Cotcamp		K. Greenfield		6834		D.C.W		17		41							
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER					
GEORGIA		Register-7 1/2'		G.A.		Bullock								W. Cassidy					
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	NORTH + SOUTH -		EAST + WEST -		COORDINATES		REMARKS	
												LAT.	DEP.	Y	X				
									134.1										
498	4152		218° 43'	-2.5	10.1	-		-10.1		124.0		-3350	-2453	825,110	561,556				
499	3822		-	" "	11.8	-		-11.8		122.3		-3084	-2258	825,376	561,751				
500	3492		-	" "	11.0	-		-11.0		123.1		-2817	-2063	825,643	561,946				
501	3162		-	" "	11.1	-		-11.1		123.0		-2551	-1868	825,909	562,141				
501	3166		218° 53' 33"	" "	11.0	-		-11.0		123.1		-2549	-1878	825,911	562,131				
502	2832		218° 43'	-2.5	10.1	-		-10.1		124.0		-2285	-1673	826,175	562,336				
503	2502		-	" "	9.0	-		-9.0		125.1		-2019	-1478	826,441	562,531				
504	2172		-	" "	8.8	-		-8.8		125.3		-1752	-1283	826,708	562,726				
505	1842		218° 43'	" "	9.1	-		-9.1		125.6		-1486	-1088	826,974	562,921				
506	1512		-	" "	9.2	-		-9.2		124.9		-1220	-893	827,240	563,116				
507	1182		-	-2.5	9.0	-		-9.0		125.1		-954	-698	827,506	563,311				
508	852		-	" "	9.0	-		-9.0		125.1		-687	-503	827,773	563,506				
509	523		216° -	" "	7.8	-		-7.8		126.3		-436	-289	828,024	563,720				
510	241		199° 10'	" "	7.0	-		-7.0		127.1		-231	-69	828,229	563,940				
510	100		133° 55' 46"	" "	4.6	-		-4.6		129.5		-66	+75	828,394	564,084				
510	0			-2.5	5.1	-		-5.1		129.0	π	0	0	828,460	564,009				
511	192		88° 30'	" "	5.1	-		-5.1		129.0		+13	+192	828,473	564,201				
512	505		67° 55'	" "	7.7	89° 20'	+5.9	-1.8		132.3		+210	+459	828,670	564,468				
513	833		65° 45'	" "	9.4	89° 20'	+9.7	+0.3		134.4		+375	+744	828,835	564,753				
514	1163		-	" "	9.8	89° 20'	+13.5	+3.7		137.8		+523	+1039	828,983	565,048				

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
2-3-85		B. C. Camp		K. Greenfield		6834		B.C.W.		17		42			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		Register-7 1/2'		G.A.		Bulloch								W. Cass, Jr.	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									134.1						
515	1493		66° 07'	-2.5°	8.0	89° 20'	+17.4	+9.4		143.5		+663	+1337	829,123	565,340
516	1823		- -	- -	7.2	89° 20'	+21.2	+14.6		148.1		+810	+1633	829,270	565,642
517	2153		- -	- -	6.1	89° 20'	+25.0	+18.9		153.0		+957	+1929	829,417	565,938
518	2483		66° 10'	- -	7.2	89° 20'	+28.9	+21.7		155.8		+1101	+2225	829,561	566,234
519	2813		- -	- -	10.7	89° 20'	+32.7	+22.0		156.1		+1248	+2521	829,708	566,530
520	3144		66° 14' 25"	- -	11.6	89° 20'	+31.1	+19.5	}	153.6	TP	+1391	+2819	829,851	566,827
520	3144				11.5	270° 34'	+31.1	+19.6		TP					
	1390		239° 43' 29"	-2.5°	+9.4	89° -	-24.3	-14.9	}	138.7	BS	+752	+1169		
	1390				+5.4	89° 10'	-20.2	-14.8		BS					
521	1064		237° 40'	- -	8.0	89° -	+18.6	+10.6		149.3		-608	-873	829,995	567,122
522	737		234° 50'	- -	8.0	89° -	+12.9	+4.9		143.6		-450	-583	830,153	567,412
523	408		232° 25'	- -	5.7	89° -	+7.1	+1.4		140.1		-263	-312	830,340	567,683
524	79		238° 55'	- -	5.0	86° 44'	+4.5	-0.5		138.2		-44	-66	830,559	567,929
0	0				5.1	-		-5.1		133.6	π	0	0	830,603	567,995
525	255		39° 10'	-2.5°	6.1	88° 20'	+7.4	+1.3		140.0		+205	+152	830,808	568,147
526	584		38° 10'	- -	8.1	88° 50'	+11.9	+3.8		142.5		+474	+341	831,077	568,336
527	913		36° -	- -	9.1	89° -	+15.9	+6.8		145.5		+761	+504	831,364	568,499
528	1242		34° 51' 47"	- -	8.9	89° -	+21.7	+12.8	}	151.5	TP	+1049	+665	831,652	568,660
528	1242				8.8	271° -	+21.7	+12.9		TP					

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		SHEET NO.		PAGE			
2-2-85		B. Cotcamp		K. Greenfield		6834		B.C. ✓		17		43			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Register - 7 1/2'		G.A.		Bulloch								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
										151.5					
	1499		211° 19' 31"	-2.5	10.6	90° 50'	+21.8	+32.4	183.8		BS	+1313	+723		
	1499				+10.4	269° 16'	+21.8	+32.2		BS					
529	1169		211° 12'	--	7.9	90° 50'	-17.0	-24.9		158.9		-1025	-561	831,940	568,822
530	839		-	--	12.1	90° 20'	-4.9	-17.0		166.8		-736	-403	832,229	568,980
531	509		-	--	7.0	90° 26'	-3.0	-10.0		173.6		-446	-244	832,519	569,139
532	179		210° -	--	7.0	89° 26'	+2.1	-4.9		178.9		-159	-83	832,806	569,300
#	70		220° 29' 06"	--	5.9	89° 20'	+0.8	-5.1		178.7	#	-55	-43	832,910	569,340
π	0				5.1	-		-5.1		178.7	π	0	0	832,965	569,383
533	151		19° 36'	-2.5	5.8	90° 20'	-0.9	-6.7		177.1		+144	+44	833,109	569,427
534	480		14° 35'	--	7.7	90° 20'	-2.8	-10.5		173.3		+469	+100	833,434	569,483
535	807		11° 20'	--	9.3	90° 20'	-4.7	-14.0		169.8		+797	+124	833,762	569,507
536	1137		9° 50'	--	9.3	90° 20'	-6.6	-15.9		167.9		+1128	+145	834,093	569,528
537	1466		9° -	--	6.7	90° 20'	-8.5	-15.2		168.6		+1457	+166	834,422	569,549
538	1796		8° 40'	--	11.9	-		-11.9		171.9		+1786	+193	834,751	569,576
539	2126		8° 45'	--	6.8	-		-6.8		177.0		+2113	+231	835,078	569,614
540	2456		9° 15'	--	8.7	89° 50'	+7.1	-1.6		182.2		+2439	+289	835,404	569,672
541	2786		9° 28'	--	5.0	89° 50'	+8.1	+3.1		186.9		+2765	+338	835,730	569,721
542	3115		9° 45' 06"	-3.0	11.0	89° 40'	+18.1	+7.1		191.0	TP	+3093	+366	836,058	569,749
542	3115				10.7	270° 26'	+18.1	+7.4			TP				

# Y 832,910 X 569,340  
 # Inset  
 EL. 179.0  
 Note: 3-14  
 CORR. x = 52

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
2.2.85		B. Cotcamp		K. Greenfield		6834		B.C.K.		17		44			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		Registee-7 1/2'		G.A.		Bulloch								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									91.0						
	3163		225° 35' 13"	-3.0	11.1	90° 10'	+2.0	+20.1	}		BS	+2285	+2100		
	3103			" "	11.0	269° 50'	+9.0	+20.0		211.0	BS				
543	2820		228° 51'	" "	8.9	90° 10'	-8.2	-17.1		193.9		-1964	-2023	836,379	569,826
544	2507		231° 05'	" "	8.7	90° 10'	-7.3	-16.0		195.0		-1675	-1866	836,668	569,983
545	2178		231° 28'	" "	9.4	90° 10'	-6.3	-15.7		195.3		-1444	-1630	836,899	570,219
546	1848		231° 10'	-3.0	10.3	90° 10'	-5.4	-15.7		195.3		-1233	-1377	837,110	570,472
547	1518		230° 35'	" "	10.0	90° 10'	-4.4	-14.4		196.6		-1024	-1121	837,319	570,728
548	1189		229° 55'	" "	6.7	90° 10'	-3.5	-10.2		200.8		-812	-868	837,531	570,981
4/4	898		229° 30' 06"	" "	6.0	-	-	-6.0		205.0	4/4	-618	-651	837,725	571,198
549	860		229° -	" "	5.8	-	-	-5.8		205.2		-597	-619	837,746	571,230
550	532		225° 35'	-3.0	5.1	-	-	-5.1		205.9		-392	-360	837,951	571,489
551	206		216° 50'	" "	4.7	TM	+1.0	-3.7		207.3		-171	-115	838,172	571,734
π	0			" "	5.1	-	-	-5.1		205.9	π	0	0	838,343	571,849
552	124		47° 50'	" "	5.0	89° 10'	+1.8	-3.2		207.8		+88	-87	838,431	571,936
553	448		33° 25'	" "	9.2	89° 10'	+6.5	-2.7		208.3		+386	+227	838,727	572,076
554	773		28° -	-3.0	8.4	89° 40'	+4.5	-3.9		207.1		+701	+327	839,044	572,176
555	1101		25° 45'	" "	12.3	89° 40'	+6.4	-5.9		205.1		+1015	+426	839,358	572,275
4/4	1332		24° 32' 28"	" "	13.4	89° 40'	+7.8	-5.6		205.4	4/4	+1239	+489	839,582	572,338
556	1430		24° 40'	" "	10.2	89° 50'	+4.2	-6.0		205.0		+1329	+528	839,672	572,377
557	1760		24° 20'	-3.0	6.4	-	-	-6.4		204.6		+1639	+640	839,982	572,489

4/4 837,740 X-571,165  
4/4 4-way enter

4/4 839,595 X-572,300  
4/4 4-way enter EL.205.0

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
2-2-85		B. Cotcamp		K. Greenfield		6834		B.C. W		17		45			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
Georgia		Register - 72		G.A.		BULLOCH								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									211.0						
558	2088		25° 05'	-3-0	4.6	-		-4.6		206.4		+1935	+785	840,278	572,634
TP	2441		24° 57' 39"	" "	2.0	-		-2.0		209.0	TP	+2264	+913	840,607	572,762
TP	2441			" "	1.9	270°		-1.9			TP				
	3383		251° 13' 31"	" "	3.6	-		+3.6	212.4		BS	+1255	+3142		
	3383			-3-0	3.1	270°		+3.1	+343		BS				
559	3327		249° 10'	" "	7.0	-		-7.0		205.4		-1344	-3043	840,518	572,861
560	3006		250° 25'	" "	8.4	-		-8.4		204.0		-1154	-2776	840,708	573,128
561	2676		- -	" "	11.2	-		-11.2		201.2		-1028	-2471	840,834	573,433
562	2346		250° 15'	" "	6.8	90° 10'	-6.8	-13.6		198.8		-907	-2163	840,955	573,741
563	2017		250° -	-3-0	10.4	90° 10'	-5.9	-16.3		196.1		-788	-1857	841,074	574,047
564	1687		249° 35'	" "	12.1	90° 10'	-4.9	-17.0		195.4		-670	-1548	841,192	574,356
565	1357		248° 55'	" "	9.4	90° 20'	-7.9	-17.3		195.1		-554	-1239	841,308	574,665
566	1028		247° 55'	" "	10.6	90° 20'	-6.0	-16.6		195.8		-436	-931	841,426	574,973
567	709		246° -	" "	7.6	90° 20'	-4.1	-11.7		200.7		-322	-632	841,540	575,272
568	370		243° 30'	-3-0	6.2	89° 50'	+1.1	-5.1		207.3		-182	-322	841,680	575,582
569	48		268° -	" "	5.2	88° 10'	+1.5	-3.7		208.7		-4	-48	841,858	575,856
X	0			" "	5.1	-		-5.1		207.3	X	0	0	841,862	575,904
570	297		42° 58'	" "	6.4	90° 20'	-1.7	-8.1		201.3		+228	+191	842,090	576,095
571	627		41° -	" "	12.8	90° 20'	-3.6	-16.4		196.0		+494	+386	842,356	576,290
572	952		37° 25'	-3-0	9.5	90° 40'	-11.1	-20.6		191.8		+785	+538	842,647	576,442

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
2-2-85		B. Cotcamp		K. Greenfield		6834		B. Ch		17		46				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
GEORGIA		Register - 7 1/2'		G.A.		Bulloch								W. Cassidy		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									212.4							
573	1279		35° 05'	-3.0	5.6	90° 30'	-11.2	-16.8		195.6		+1084	+679	842,946	576,583	
574	1604		33° 05'	" "	5.0	90° 00'	-2.8	-7.8		204.6		+1388	+804	843,250	576,708	
575	1932		32° -	" "	6.1	89° 50'	+5.6	-0.5		211.9		+1690	+937	843,552	576,841	
576	2263		31° 30'	" "	8.2	89° 40'	+13.2	+5.0		217.4		+1989	+1080	843,851	576,984	
577	2593		30° 55' 12"	" "	6.0	89° 46'	+10.6	+4.6	}	217.0	TP	+2291	+1214	844,153	577,118	
577	2593		" "	-3.0	5.9	270° 14'	+10.6	+4.7		TP						
	2622		222° 46' 13"	" "	9.7	90° 10'	+7.6	+17.3		BS			+2015	+1677		
	2622		" "	" "	9.6	269° 50'	+7.6	+17.2	}	234.2	BS					
578	2305		224° 55'	" "	11.9	90° 20'	-13.4	-25.3			208.9		-1715	-1540	844,453	577,255
579	1979		225° 55'	" "	8.8	90° 50'	-28.8	-37.6		196.6		-1449	-1348	844,719	577,447	
580	1745		226° 20' 51"	-3.0	11.3	91° -	-30.5	-41.8		192.4	3/1	-1269	-1198	844,899	577,597	
580	1650		225° 55'	" "	9.3	91° 10'	-33.6	-42.9		191.3		-1208	-1124	844,960	577,671	
581	1320		" "	" "	9.6	91° 10'	-26.9	-36.5		197.7		-967	-897	845,201	577,896	
582	990		" "	" "	12.7	90° 40'	-11.5	-24.2		210.0		-725	-674	845,443	578,121	
583	660		" "	" "	6.5	90° 40'	-7.7	-14.2		220.0		-483	-449	845,685	578,346	
584	330		225° 35'	-3.0	8.1	-	-	-8.1		226.1		-243	-223	845,925	578,572	
585	0		" "	" "	5.1	-	-	-5.1		229.1	1	0	0	846,168	578,795	
586	330		43° -	" "	5.6	89° 30'	+2.9	-2.7		231.5		+253	+212	846,421	579,007	
587	660		" "	" "	6.0	89° 30'	+5.8	-0.2		234.0		+506	+424	846,674	579,219	
588	990		" "	-3.0	7.1	89° 30'	+8.6	+1.5		235.7		+758	+636	846,926	579,431	

844,134 x - 577,100  
overpass

844,870 x - 577,590  
T-inter.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
2-3-85		B. Cotamp		K. Greenfield		6834		B.C. W		17		47			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		Register - 7 1/2'		G.A.		Bulloch								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									234.2						
589	1320		43°	-3.0	10.2	89°30'	+11.5	+1.3		235.5		+1011	+848	847,179	579,643
590	1650		"	"	10.0	89°44'	+7.7	-2.3		231.9		+1264	+1061	847,432	579,856
591	1981		42°56'58"	"	12.7	89°48'	+6.9	-5.8		228.4	TP	+1519	+1272	847,687	580,067
591	1981		"	"	12.6	270°12'	+6.9	-5.7			TP				
	1788		212°09'05"	"	+8.4	-		+8.4	236.8		BS	+1562	+871		
	1788		"	-3.0	+8.3	270°		+8.3			BS				
592	1463		210°30'	"	5.0	B.M.	-7.3	-12.3		224.5		-1298	-676	847,951	580,262
593	1133		209°55'	"	12.5	-		-12.5		224.3		-1010	-513	848,239	580,425
594	803		210°20'	"	10.4	-		-10.4		226.4		-713	-369	848,536	580,569
595	473		211°35'	"	7.5	-		-7.5		229.3		-415	-226	848,834	580,712
TP	203		213°42'09"	-3.0	5.1	-		-5.1		231.7	TP	-175	-104	849,074	580,834
596	144		207°25'	"	5.7	-		-5.7		231.1		-131	-60	849,118	580,878
π	0		"	"	5.1	-		-5.1		231.7	π	0	0	849,249	580,938
597	192		49°30'	"	7.1	-		-7.1		229.7		+132	+139	849,381	581,077
598	521		47°50'	-3.0	10.0	-		-10.0		226.8		+369	+367	849,618	581,305
599	851		49°50'	"	7.2	-		-7.2		229.6		+582	+621	849,831	581,559
TP	1180		49°54'10"	"	7.9	TP	+5.9	-2.0		234.8	TP	+806	+862	850,055	581,800
TP	1180		"	"	7.8	TP	+5.9	-1.9			TP				
	1534		253°46'17"	-3.0	13.7	89°04'	-25.0	-11.3	223.5		BS	+505	+1448		
	1534		"	"	+13.6	270°56'	-25.0	-11.4			BS				

Y - 849,070 X - 580,825  
 TP 4WAY cont'd. EL. 232.0

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
2-3-85		B. Cotcamp		K. Greenfield		6834		B.C. W		17		48			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		Register-7 1/2'		G.A.		Bulloch								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									223.5						
600	1515		251° 25'	-3.0	6.9	89° 22'	+16.7	+9.8		233.3		-557	-1409	850,003	581,839
601	1188		253° 05'	"	5.0	89° 22'	+13.1	+8.1		231.6		-405	-1117	850,155	582,131
602	858		"	"	8.1	89° 10'	+12.5	+4.4		227.9		-292	-807	850,268	582,441
603	528		253° 20'	"	6.2	89° 10'	+7.7	+1.5		225.0		-178	-497	850,382	582,751
604	209		267° 45'	-3.0	7.0	89° 10'	+3.0	-4.0		219.5		-19	-208	850,541	583,040
T	0		"	"	5.1	-		-5.1		218.4	T	0	0	850,560	583,248
605	110		95° 50'	"	4.8	-		-4.8		218.7		-5	+110	850,555	583,358
606	440		"	"	11.9	-		-11.9		211.6		-22	+439	850,538	583,687
607	770		"	-3.0	13.1	84	-3.9	-17.0		206.5		-38	+769	850,522	584,017
608	1100		95° 50'	"	10.8	90° 30'	-9.6	-20.4		203.1		-54	+1099	850,506	584,347
609	1430		"	"	10.2	90° 30'	-12.5	-22.7		200.8		-71	+1428	850,489	584,676
610	1760		"	"	11.2	90° 30'	-15.4	-26.6		196.9		-87	+1758	850,473	585,006
611	2090		"	"	7.9	90° 40'	-24.3	-32.2		191.3		-103	+2087	850,457	585,335
612	2420		"	-3.0	11.0	90° 24'	-16.9	-27.9		195.6		-120	+2417	850,440	585,665
TP	2686		95° 35' 36"	"	5.6	90° 20'	-15.6	-21.2		202.4	TP	-122	+2683	850,438	585,932
TP	2686		"	"	5.3	269° 40'	-15.6	-20.9			TP		+1		
	723		251° 52' 24"	"	9.1	89°	-12.6	-3.5		198.9	BS	+261	+674		
	723		"	"	7.0	89° 10'	-10.5	-3.5			BS		+1		
613	660		251° 45'	"	6.4	89° 10'	+9.6	+3.2		202.1		-239	-615	850,460	585,992
614	330		249° 55'	-3.0	4.9	89° 10'	+4.8	-0.1		198.8		-129	-304	850,570	586,303

IF Y=850,570 X=583,275  
T=Inter.

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
2.3.85		B. Cotcamp		K. Greenfield		6834		B.C. W		17		49			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		Register- 7 1/2'		G.A.		Bulloch								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									198.9						
615	0			-3.0	5.1	-		-5.1		193.8	X	0	0	850,699	586,607
616	330		64°	"	8.7	91°	-5.8	-14.5		184.4		+160	+289	850,859	586,876
617	660		62° 50'	"	9.7	91°	-11.5	-21.2		177.7		+332	+571	851,031	587,178
618	990		62° 15'	"	7.6	91°	-17.3	-24.9		174.0		+506	+851	851,205	587,458
619	1319		63° 30'	-3.0	5.8	90° 50'	-19.2	-25.0		173.9		+650	+1148	851,349	587,755
620	1645		65° 30'		4.2	90° 40'	-19.1	-23.3		175.6		+760	+1459	851,459	588,066
#	1681		65° 22' 20"	-3.0	3.6	90° 40'	-19.6	-23.2		175.7	TP	+779	+1489	851,478	588,097
#	1681			"	5.5	269° 24'	-17.6	-23.1			TP		+		
	1137		254° 53' 00"	-2.7	6.1	89°	-19.8	-13.7	162.0		BS	+348	+1082		
	1137			"	2.8	89° 10'	-16.5	-13.7			BS		+		
621	845		254°	"	6.4	89° 10'	+12.3	+5.9		167.9		-271	-800	851,555	588,380
622	915		252° 55'	"	10.2	89° 10'	+7.5	-2.7		159.3		-174	-485	851,652	588,695
623	185		251° 45'	-2.7	7.6	89° 10'	+2.7	-4.9		157.1		-66	-173	851,760	589,007
X	0			"	5.1	-		-5.1		156.9	X	0	0	851,826	589,180
624	146		72°	"	6.0	-		-6.6		156.0		+52	+137	851,878	589,317
625	475		"	"	8.1	-		-8.1		153.9		+168	+444	851,974	589,624
626	805		"	-2.7	10.1	-		-10.1		151.9		+285	+753	852,111	589,933
627	1135		"	"	11.7	-		-11.7		150.3		+401	+1062	852,227	590,242
628	1465		"	"	5.6	B4	-7.3	-12.9		149.1		+518	+1370	852,344	590,550

1/2" - 851,460 x - 588,110  
1/4" - 7000' Inter, El. 176.0

Register - 7 1/2"  
NEVILS - 7 1/2"

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
2-3-85		B. Cotcamp		K. Greenfield		6834		B.C. W		17		50				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
GEORGIA		REVIEWS - 7 1/2'		G.A.		BULLOCK								W. Cassidy		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									162.0							
629	1793		71° 31' 09"	-2.7	5.5	84	-9.0	-14.5	147.5	147.5	TP	+648	+1672	852,474	590,853	
629	1793			...	5.4	84 20'	-9.0	-14.4			TP			+		
	945		229° 01' 00"	...	+4.3	74	-4.7	-0.4	147.1	147.1	BS	+653	+683			
	945			...	+7.8	89° 30'	-8.3	-0.5			BS			+		
630	615		229° -	-	7.3	89° 30'	+5.4	-1.9		145.2		-425	-445	852,702	591,092	
631	287		230° 25'	-2.7	5.6	89° 30'	+2.5	-3.1		144.0		-193	-212	852,934	591,325	
K	0			---	5.1	-		-5.1		142.0	K	0	0	853,127	591,537	near telephone cable
632	49		84° 10'	---	4.9	89° 30'	+0.4	-4.5		142.6		+7	+48	853,134	591,585	
633	377		73° 45'	---	7.6	89° 30'	+3.3	-4.3		142.8		+122	+357	853,249	591,894	
TP	652		74° 32' 40"	~	7.4	89° 50'	+1.9	-5.5	141.6	141.6	TP	+203	+620	853,330	592,158	Highway 301
TP	652			-2.7	5.6	-		-5.6			TP			+		
	2383		207° 05' 05"	~	+7.5	-		+7.5	149.0	149.0	BS	+2170	+984			
	2383			~	+7.2	270° -		+7.2			BS			+		
634	2396		205° 50'	---	6.7	-		-6.7		142.3		-2203	-941	853,297	592,202	
635	2067		205° 45'	-2.7	7.1	-		-7.1		141.9		-1902	-809	853,598	592,304	
636	1737		205° 20'	---	7.0	-		-7.0		142.0		-1603	-668	853,897	592,475	
637	1407		204° 55'	---	6.8	-		-6.8		142.2		-1303	-532	854,197	592,611	
638	1078		204° 30'	---	6.2	-		-6.2		142.8		-1001	-400	854,499	592,743	
639	748		204° -	-2.7	6.0	-		-6.0		143.0		-697	-272	854,803	592,871	
640	418		-	---	6.3	-		-6.3		142.7		-389	-152	855,111	592,991	LAST STA. ON HIGHWAY

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
2-3-85		B. Cotcamp		K. Greenfield		6834		B. Ch		17		51				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
GEORGIA		NEVILS-7 1/2'		G.A.		BULLOCH								W. Cassidy		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS TP	COORDINATES		REMARKS		
												NORTH + SOUTH -	EAST + WEST -		Y	X
									149.0							
TP	0			-2.7	5.1	-		-5.1		143.9	TP	0	0	855,500	593,143	
641	122		170° 57'	-	10.8	-		-10.8		138.2		-119	+25	855,381	593,168	Dirt Road
642	282		69° -	-	5.0	91° 30'	-7.4	-7.4		136.6		+113	+258	855,613	593,401	
643	609		62° 22'	-	3.5	96° 50'	-8.9	-12.4		136.6		+308	+526	855,808	593,669	
644	939		62° 20'	-2.7	4.4	90° 30'	-8.2	-12.6		136.4		+475	+810	855,974	593,953	
645	1269		-	-	1.9	90° 30'	-11.1	-13.0		136.0		+642	+1095	856,142	594,238	
TP	1451		62° 10' 31"	-	5.6	90° 20'	-8.4	-14.0		135.0	TP	+737	+1250	856,237	594,394	
TP	1451			-	9.8	269° 50'	-4.2	-14.0			TP		+1			
	1059		221° 05' 37"	-	+14.9	-		+14.9	149.9		BS	+830	+658			
	1059			-2.7	+14.8	270° -		+14.8			BS		+1			
646	911		220° 10'	-	10.6	BH	-4.6	-15.2		134.7		-723	-554	856,344	594,499	
647	584		217° 05'	-	11.3	BH	-2.9	-14.2		135.7		-482	-330	856,585	594,723	
648	254		216° 25'	-	13.8	-		-13.8		136.1		-211	-141	856,856	594,712	
TP	0			-2.7	5.1	-		-5.1		144.8	TP	0	0	857,067	595,053	
649	73		38° 50'	-	12.0	-		-12.0		139.9		+59	+43	857,126	595,096	
650	348		99° 50'	-	12.4	BH	-1.7	-14.1		135.8		-43	+345	857,024	595,398	
651	670		108° 30'	-	9.1	BH	-3.4	-7.5		137.4		-182	+645	856,885	595,698	
652	996		111° 10'	-	4.5	TH	+5.0	+0.5		150.4		-315	+945	856,752	595,998	
653	1313		108° 07' 42"	-2.7	8.2	89° -	+22.9	+14.7		164.6	TP	-349	+1265	856,718	596,319	
653	1313			-	8.1	271° -	+22.9	+14.8			TP		+1			

Y = 857,050 X = 595,000  
TP T - 20' 21"

SURVEY NOTES-HIGH RESOLUTION DATA  
GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
2-3-85		B. Cotcamp		K. Greenfield		6834		B.C.W		17		52				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
GEORGIA		NEVILS-7 1/2'		G.A.		Duloco								W. Cassidy		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									164.6							
	967		251° 56' 36"	-2.7	+14.9	91°	+16.9	+31.8	196.4		BS	+343	+904			
	967			-	+12.1	91° 10'	+19.7	+31.8		BS			+			
654	656		243° 50'	-	8.8	91° 10'	-13.4	-22.2	174.2			-317	-574	856,744	596,650	
655	330		239° 10'	-	5.6	91° 10'	-6.7	-12.3	184.1			-182	-275	856,879	596,949	
656	0			-	5.1	-		-5.1	191.3		X	0	0	857,061	597,224	
IF	134		54° 49' 46"	-2.7	4.3	89° 20'	+1.6	-2.7	193.7		IF	+82	+106	857,143	597,330	IF y=857,140 x=597,330 T=inter.
657	330		59° 25'	-	7.3	89° 20'	+3.8	-3.5	192.9			+181	+276	857,242	597,500	
658	660		-	-	10.3	89° 20'	+7.7	-2.6	193.8			+362	+552	857,423	597,776	
659	990		-	-2.7	10.9	89° 20'	+11.5	+0.6	197.0			+543	+828	857,604	598,052	
660	1320		-	-	11.4	89° 20'	+15.4	+4.0	200.4			+724	+1103	857,785	598,327	
661	1650		59° 25'	-	7.0	89° 30'	+14.4	+7.4	203.8			+905	+1379	857,966	598,603	
662	1979		59° 32' 10"	-	8.2	89° 30'	+17.3	+9.1	205.5		TP	+1083	+1657	858,144	598,882	IF y=858,140 x=598,880 T=inter.
662	1979			-2.7	8.1	270° 30'	+17.3	+9.2		TP			+			
	1650		239° 40' 22"	-	+6.3	-		+6.3	211.8		BS	+899	+1383			
	1650			-	+6.2	270°		+6.2		BS			+			
663	1320		239° 40'	-	7.9	-		-7.9	203.9			-720	-1107	858,323	599,159	
664	990		-	-2.7	7.8	-		-7.8	204.0			-540	-830	858,503	599,436	
665	660		-	-	6.4	-		-6.4	205.4			-360	-553	858,683	599,713	
666	330		-	-	4.7	-		-4.7	207.1			-180	-277	858,863	599,989	
667	0			-	5.1	-		-5.1	206.7		X	0	0	859,043	600,266	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	2-3-85	INSTRUMENT MAN	B. Cotcamp	ROD MAN	K. Greenfield	PARTY NUMBER	6834	NOTES CHECKED BY	B.C.K.	LINE NO.	17	PAGE	53	
AREA	GEORGIA	TOPO MAP	NEVILLS-72'	STATE	G.A.	COUNTY	BULLOCH	TWP		RANGE		PPM	PARTY MANAGER	W. Cassidy

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									211.8					
668	330		59° 18'	-2.7	10.6	-		-10.6		201.2		+182	+276	859,225 600,542
669	660		-	-	11.8	-		-11.8		200.0		+363	+551	859,406 600,817
670	990		-	-	9.2	-		-9.2		202.6		+545	+827	859,588 601,093
671	1320		-	-	9.3	-		-9.3		202.5		+727	+1102	859,770 601,368
672	1645		57° 41' 48"	-	6.8	-		-6.8		205.0	TP	+944	+1347	859,987 601,614
672	1645			-2.7	6.7	270°		-6.7			TP		+1	
	989		225° 51' 22"		+2.8	-		+2.8		207.8	BS	+721	+676	
	989				+2.7	270°		+2.7			BS		+3	
673	660		224° 55'	-	6.9	89° 40'	+3.8	-3.1		204.7		-489	-443	860,210 601,850
674	330		223° 25'	-	9.2	88° 40'	+7.7	-1.5		206.3		-250	-215	860,458 602,078
675	0			-	5.1	-		-5.1		202.7	TP	0	0	860,708 602,293
676	330		40° 22'	-2.7	7.0	90° 20'	-1.9	-8.9		198.9		+261	+202	860,969 602,495
677	660		-	-	6.3	90° 20'	-3.8	-10.1		197.7		+522	+403	861,230 602,696
678	990		-	-	8.4	90° 20'	-5.8	-14.2		193.6		+784	+605	861,492 602,898
679	1320		-	-	12.1	90° 20'	-7.7	-19.8		188.0		+1045	+807	861,753 603,100
680	1650		40° 40'	-	11.8	90° 30'	-14.4	-26.2		181.6		+1301	+1015	862,009 603,308
681	1979		40° 55'	-	9.1	90° 30'	-17.3	-26.4		181.4		+1555	+1224	862,263 603,517
TP	2088		39° 53' 36"	-2.9	8.7	90° 30'	-18.2	-26.9		180.9	TP	+1668	+1256	862,376 603,549
TP	2088			-	8.6	269° 30'	-18.2	-26.8			TP			

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
2.3.85		B. Cotcamp		K. Greenfield		6834		B.C.W.		17		54			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		NEVILS-7 1/2		G.A.		Bulloch								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
										180.9					
	571		247° 03' 58"	-2.9	+12.1	-		+12.1	193.0		BS	+249	+514		
	571			...	+9.2	BH	+2.9	+12.1		BS					
682	330		247° 50'	-	6.6	-		-6.6		186.4		-140	-299	862,485	603,764
683	0			-	5.1	-		-5.1		187.9	X	0	0	862,625	604,063
K	185		251° 46' 35"	-2.9	4.0	TH	+0.9	-3.1		189.9	K	-67	-173	862,558	603,890
684	330		77° 50'	-	6.7	-		-6.7		186.3		+86	+319	862,711	604,382
TP	532		79° 21' 31"	-	8.5	89° 30'	+4.6	-3.9	189.1		TP	+125	+517	862,750	604,580
TP	532			-	6.9	89° 46'	+3.1	-3.8		TP					
	1871		279° 25' 27"	-	13.2	89° 50'	-5.4	+7.8	196.9		BS	-213	+1859		
	1871			-2.9	+13.1	270° 10'	-5.4	+7.7		BS		BS	+1		
685	1743		279° 12'	-	12.1	89° 50'	+5.1	-7.0		189.9		+191	-1732	862,729	604,707
686	1413		-	-	7.3	89° 50'	+4.1	-3.2		193.7		+155	-1404	862,693	605,035
687	1083		-	-	9.1	89° 30'	+9.5	+0.4		197.3		+119	-1076	862,657	605,363
688	753		-	-	7.4	89° 30'	+6.6	-0.8		196.1		+83	-748	862,621	605,691
689	423		-	-	6.2	89° 30'	+3.7	-2.5		194.4		+46	-420	862,584	606,019
690	93		-	-	5.2	89°	+1.6	-3.6		193.3		+10	-92	862,548	606,347
X	0			-	5.1	-		-5.1		191.8	X	0	0	862,538	606,439
691	254		57° 28'	-	6.9	89° 46'	+1.5	-5.4		191.5		+147	+207	862,685	606,646
692	584		-	-	10.9	89° 46'	+3.4	-7.5		189.4		+339	+476	862,877	606,915
693	914 914		-	-	11.1	89° 50'	+2.7	-8.4		188.5		+530	+745	863,068	607,184

3-362,545x-603,875  
+ - inter.

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE				
2.3.85		B. Cotcamp		K. Greenfield		6834		B.C. W		17		55				
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER		
GEORGIA		NEVILS / Statesboro-7 1/2		G.A.		BULLOCH								W. Cassidy		
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS		
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y	X
									196.9							
694	1176		57° 04' 06"	-2.9	9.8	89° 50'	+3.4	-6.4		190.5	TP	+688	+953	863,226	607,392	3-863,195 x-607,315 4-way inter.
695	1244		57° 28'	-	9.2	89° 50'	+3.6	-5.6		191.3		+721	+1014	863,259	607,453	
696	1574		-	-	5.8	89° 50'	+4.6	-1.2		195.7		+913	+1282	863,451	607,721	
697	1904		-	-	9.4	89° 40'	+11.1	+1.7		198.6		+1104	+1551	863,642	607,990	
698	2078		57° 17' 30"	-2.9	8.7	89° 40'	+12.1	+3.4		200.3	TP	+1210	+1689	863,748	608,128	3-863,735 x-608,095 4-way inter. El. 200.0
699	2233		57° 28'	-	7.4	89° 50'	+6.5	-0.9		196.0		+1295	+1819	863,833	608,258	NEVILS -7 1/2' T
700	2563		-	-	11.9	89° 50'	+7.5	-4.4		192.5		+1486	+2088	864,024	608,527	Statesboro-7 1/2'
701	2893		-	-2.9	12.9	89° 50'	+8.4	-4.5		192.4		+1677	+2357	864,215	608,796	
702	3222		57° 17'	-	10.0	89° 50'	+9.4	-0.6		196.3		+1876	+2619	864,414	609,058	
703	3324		57° 05' 50"	-3.1	7.1	89° 50'	+9.7	+2.6			TP	+1954	+2689	864,492	609,128	3-864,540 x-609,120 4-way inter. El. 200.0
704	2538		199° 46' 20"	-	9.3	TH	-12.7	-3.4	2.73	199.6	TP					
705	2538		-	-	9.0	TH 210°	-12.7	-3.7	3.68		BS	+2431	+728			
706	2310		199° 45'	-3.1	8.3	TH	+11.6	+3.3		199.3		-2213	-662	864,710	609,194	
707	1980		-	-	9.3	TH	+9.9	+0.6		196.6		-1897	-567	865,026	609,289	
708	1650		-	-	11.0	TH	+8.3	-2.7		193.3		-1581	-473	865,342	609,383	
709	1320		-	-	10.0	TH	+6.6	-3.4		192.6		-1265	-378	865,658	609,478	
710	990		-	-	7.6	TH	+5.0	-2.6		193.4		-948	-284	865,975	609,572	
711	660		-	-3.1	5.4	TH	+3.3	-2.1		193.9		-632	-189	866,291	609,667	
712	330		-	-	4.8	TH	+1.7	-3.1		192.9		-316	-95	866,607	609,761	

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
2-3-85		B. Cotcamp		K. Greenfield		6834		B.P.K.		17		56			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		STATESBORO-7 1/2'		G.A.		BULLOCH								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									196.0						
708	0			-3-1	5.1	-		-5.1		190.9	X	0	0	866,923	609,856
709	330		19° 14'	-	6.7	-		-6.7		189.3		+317	+92	867,240	609,948
710	660		- -	-	8.4	-		-8.4		187.6		+634	+183	867,557	610,039
711	990		- -	-	8.3	-		-8.3		187.7		+951	+275	867,874	610,131
712	1320		- -	-3-1	11.0	TH	+6.6	-4.4		191.6		+1268	+367	868,191	610,223
713	1650		- -	-	8.1	TH	+8.3	+0.2		196.2		+1585	+458	868,508	610,314
TP	1980		20° 56' 26"	-	9.1	TH	+9.9	+0.8		196.8	TP	+1885	+607	868,808	610,463
TP	1980			-	9.0	TH 20'	+9.9	+0.9			TP				
	1913		240° 52' 33"	-3-1	+9.8	89° 10'	-27.8	-18.0	178.8		BS	+1020	+1618		
	1913			-	9.9	20° 50'	-27.8	-17.9			BS				
714	1905		240° -	-	12.0	89° 10'	+27.7	+15.7		194.5		-1040	-1596	868,788	610,485
715	1578		240° 45'	-	7.4	89° 20'	+18.4	+11.0		189.8		-844	-1333	868,984	610,748
716	1248		240° 20'	-	8.3	89° 20'	+14.5	+6.2		185.0		-675	-1049	869,153	611,032
717	918		239° 20'	-3-1	7.3	89° 20'	+10.7	+3-4		182.2		-510	-763	869,318	611,318
718	589		237° 25'	-	5.4	89° 20'	+6.9	+1-5		180.3		-344	-478	869,484	611,603
719	261		233° 30'	-	7.0	88° 20'	+7.6	+0-6		179.4		-166	-201	869,662	611,880
X	0			-	5.1	-		-5.1		173.7	X	0	0	869,828	612,081
720	93		6° 25'	-	5.0	87° 20'	+4.3	-0-7		178.1		+93	+5	869,921	612,086
721	418		16° 05'	-3-1	7.9	89° 10'	+6.1	-1-8		177.0		+407	+94	870,235	612,175
722	748		- -	-	9.0	89° 10'	+10.9	+1-9		180.7		+729	+168	870,557	612,249

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	2-3-85	INSTRUMENT MAN	B. Cotcamp	ROD MAN	K. Greenfield	PARTY NUMBER	6834	NOTES CHECKED BY	B.C.W	LINE NO.	17	PAGE	57	
AREA	GEORGIA	TOPO MAP	Statesboro-7 1/2'	STATE	G.A.	COUNTY	BULLOCH	TWP		RANGE		PPM	PARTY MANAGER	W. Cassidy

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									178.8					
723	1078		16° -	-3-1	8.2	89° 10'	+15.7	+7.5		186.3		+ 1051	+241	870,879 612,322
724	1408		- -	- -	8.1	89° 10'	+20.5	+12.4		191.2		+ 1372	+314	871,200 612,395
725	1738		- -	- -	11.1	89° 10'	+25.3	+14.2		193.0		+ 1694	+388	871,522 612,469
726	2068		16° 05'	- -	8.3	89° 26'	+20.5	+12.2		191.0		+ 2015	+465	871,843 612,546
TP	2350		16° 17' 22"	-3-1	14.8	89° 26'	+23.2	+8.4			TP	+2288	+536	872,116 612,617
TP	2350			- -	15.0	270° 34'	+23.2	+8.2	+833	187.1	TP			
	4333		199° 29' 58"	- -	+9.8	90° 20'	+25.2	+35.0	222.1		BS	+4157	+1223	
	4333			- -	+9.9	269° 40'	+25.2	+35.1			BS			
727	4287		199° 32'	-3-1	10.6	90° 20'	-25.0	-35.6		186.5		-4112	-1213	872,161 612,627
4L	4029		199° 49' 35"	- -	7.9	90° 26'	-30.5	-38.4		183.7	4L	-3858	-1160	872,415 612,680
728	3958		199° 41'	- -	10.0	90° 26'	-29.9	-39.9		182.2		-3793	-1130	872,480 612,710
729	3628		- -	- -	5.9	90° 36'	-38.0	-43.9		178.2		-3477	-1035	872,796 612,805
730	3300		- -	- -	9.7	90° 36'	-34.6	-44.3		177.8		-3163	-942	873,110 612,898
731	2970		- -	-3-1	8.7	90° 40'	-34.5	-43.2		178.9		-2846	-848	873,427 612,992
732	2640		197° 41'	- -	11.1	90° 40'	-30.7	-41.8		180.3		-2530	-753	873,743 613,087
733	2310		- -	- -	7.2	90° 50'	-33.6	-40.8		181.3		-2214	-659	874,059 613,181
734	1980		- -	- -	11.8	90° 50'	-28.8	-40.6		181.5		-1898	-565	874,375 613,275
735	1650		- -	-3-1	6.3	91° 10'	-33.6	-39.9		182.2		-1581	-471	874,692 613,369
736	1320		- -	- -	9.4	91° 10'	-26.9	-36.3		185.8		-1265	-377	875,008 613,463
737	990		- -	- -	9.4	91° 10'	-20.2	-29.6		192.5		-949	-283	875,324 613,557

4L 3-872,415 x - 612,680  
 TP 4WAY Inter. EL. 183.0  
 Horiz. corr. y = +1  
 X = +15

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE		INSTRUMENT MAN		ROD MAN		PARTY NUMBER		NOTES CHECKED BY		LINE NO.		PAGE			
2-3-85		B. Cotamp		K. Greenfield		6834		B.C.W		17		58			
AREA		TOPO MAP		STATE		COUNTY		TWP		RANGE		PPM		PARTY MANAGER	
GEORGIA		Statesboro-7 1/2'		G.A.		Bulloch								W. Cassidy	
STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS	
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.		Y
									222.1						
738	660		199° 41'	-3-1	6.6	91° 10'	-13.4	-20.0		202.1		-633	-188	875,640	613,652
739	330		-	-	10.0	96° 10'	-1.0	-11.0		211.1		-316	-94	875,957	613,746
740	0			-	5.1	-		-5.1		217.0	T	0	0	876,293	613,840
741	330		19° 59'	-	3.7	89° 40'	+1.9	-1.8		220.3		+316	+96	876,589	613,936
742	660		20° 18'	-	4.8	89° 40'	+3.8	-1.0		221.1		+630	+195	876,903	614,035
743	990		-	-3-1	6.4	89° 40'	+5.8	-0.6		221.5		+946	+293	877,219	614,133
744	1320		-	-	6.8	89° 40'	+7.7	+0.9		223.0		+1261	+390	877,534	614,230
745	1650		-	-	4.7	89° 40'	+9.6	+4.9		227.0		+1576	+488	877,849	614,328
746	1726		19° 54' 33"	-	4.3	89° 40'	+10.0	+5.7		227.8	74	+1652	+499	877,925	614,339
746	1980		20° 18'	-3-1	6.1	89° 40'	+11.5	+5.4		227.5		+1891	-586	878,164	614,426
747	2310		-	-	11.3	89° 40'	+13.4	+2.1		224.2		+2207	+683	878,480	614,523
748	2640		-	-	12.0	89° 40'	+15.4	+3.4		225.5		+2522	+781	878,795	614,621
749	2970		-	-	11.0	89° 40'	+17.3	+6.3		228.4		+2837	+878	879,110	614,718
750	3299		20° 41' 47"	-	11.9	89° 40'	+19.2	+7.3				+3145	+997	879,418	614,837
750	3299			-3-1	12.3	270° 21'	+19.2	+6.9	+7.13	229.2	TP				
	1320		216° 02' 02"	-	1.6	TH	-6.6	-5.0		224.2	BS	+1108	+718		
	1320			-	1.6	TH	-6.6	-5.0			BS				
751	990		216° 05'	-	8.7	89° 20'	+11.5	+2.8		227.0		-830	-539	879,696	615,016
752	660		215° 50'	-	8.6	89° 20'	+7.7	-0.9		223.3		-555	-357	879,971	615,198
753	330		214° 55'	-3-1	8.3	89° 20'	+3.8	-4.5		219.7		-280	-174	880,246	615,381

7-877,740 x-614,350  
7-27 intersect

SURVEY NOTES-HIGH RESOLUTION DATA

GEO-445

Geosource Inc.

DATE	2-3-85	INSTRUMENT MAN	B. Cotcamp	ROD MAN	K. Greenfield	PARTY NUMBER	6834	NOTES CHECKED BY	B.C.	LINE NO.	17	PAGE	59		
AREA	GEORGIA	TOPO MAP	Statesboro 7 1/2'	STATE	G.A.	COUNTY	BULLOCK	TWP		RANGE		PPM		PARTY MANAGER	W. Cassidy

STATION NO.	SLOPE DISTANCE	PLOTTING DISTANCE	AZIMUTH FROM MAGNETIC NORTH	DEC	ROD READING	VERTICAL ANGLE	VERTICAL CHANGE	DIFFERENCE IN ELEVATION	ELEVATION OF INSTRUMENT	ELEVATION OF STATION	BS X TP	COORDINATES		REMARKS
												NORTH + SOUTH - LAT.	EAST + WEST - DEP.	
									224.2					
754	0			-3.1	5.1	-		-5.1		219.1	X	0	0	880,526 615,555
755	330		27° 50'	-	9.0	89° 20'	+3.8	-5.2		219.0		+300	-138	880,826 615,693
756	660		-	-	8.7	-		-6.7		217.5		+599	+276	881,125 615,831
757	990		-	-	6.9	-		-6.9		217.3		+899	+414	881,425 615,769
TP	888		344° 32' 58"	-3.1	6.1	89°	+15.5	+9.4		233.6	TP	+842	-282	881,368 615,273
	1340		41° 27' 21"	-	+14.1	TU	-6.7	+7.4	} 241.0		BS	-1051	-832	
	1340			-	+14.2	TH 270°	-6.7	+7.5			BS			
X	0			-	5.1	-		-5.1		235.9	X	0	0	880,317 614,723
#1	1975		225° 32' 51"	-	5.1	91°	-34.5	-39.6		201.4	#1	-1457	-1333	878,860 613,370 #1

T - Int. E.L. 201.0